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AUGUSTA COLLEGE

A senior unit
of The University System of Georgia
located at Augusta, Georgia

1972-1973

General Catalog

LIBRARY
Augusta College
Augusta, Georgia

AUGUSTA COLLEGE

Augusta College is a coeducational State supported arts and sciences college in Augusta, Georgia, and is a unit of the University System of Georgia authorized to grant the Associate in Arts, Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Science in Education, Master of Business Administration and Master of Education degrees.

From 1925 until 1963 the college served the Augusta area as a junior college but was converted to a senior college by the Board of Regents of the University System on May 8, 1963.

In the Associate in Arts program, majors are offered in Criminal Justice, Nursing, and Secretarial Science.

In the Bachelor of Arts degree program, majors are offered in art, elementary education, English, French, history, music, political science, psychology, sociology, and Spanish.

In the Bachelor of Science degree program, majors are offered in biology, chemistry, mathematics, and physics. The Bachelor of Business Administration degree offers emphases in accounting, business teaching, economics, finance management and executive secretarial science. A Bachelor of Science in Education is offered with a major in Special Education. A Bachelor of Science with a major in Medical Technology is offered with the fourth year consisting of clinical laboratory work at an approved hospital.

While no degree or major is offered in education, other than the majors in elementary education and special education, teacher certification may be obtained by minoring in education and majoring in a selected field of study.

Minor concentrations may be chosen from anthropology, art, biology, business, chemistry, economics, education, English, French, history, mathematics, music, philosophy, physics, political science, psychology, sociology, social service, or Spanish. In addition a student may structure his own general studies minor with the approval of his advisor.

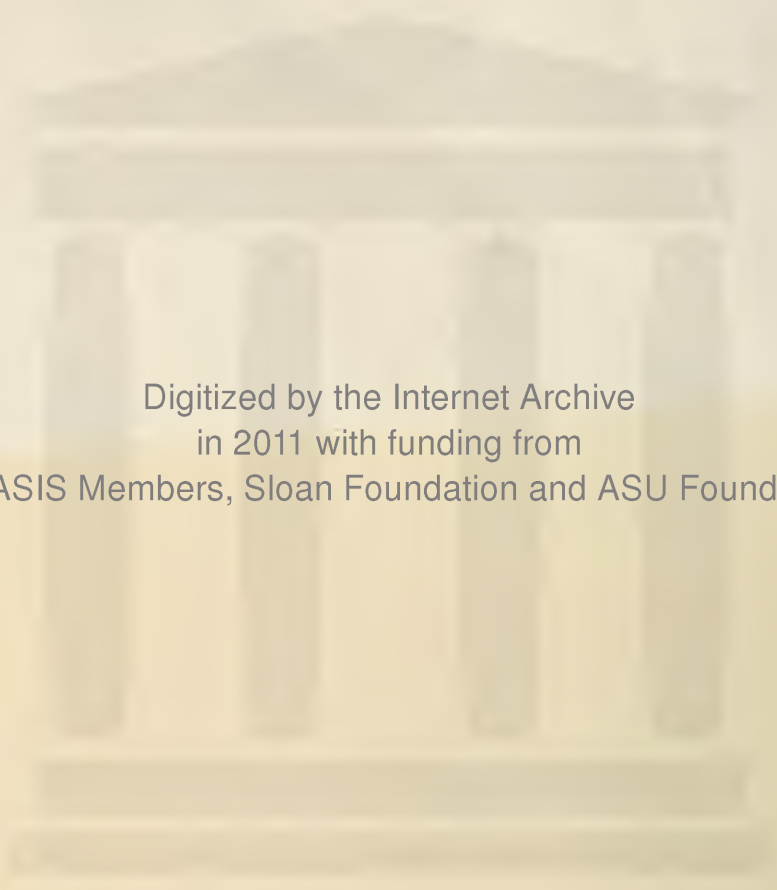
In the graduate program the Master of Business Administration and the Master of Education with majors in elementary education and special education are offered.

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Augusta, Georgia



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AUGUSTA COLLEGE BULLETIN

No. 45

1972-1973

ANNUAL CATALOG ISSUE

THE AUGUSTA COLLEGE IS AN EQUAL EDUCATIONAL OPPORTUNITY INSTITUTION IN THAT NO PERSON SHALL, ON THE GROUND OF RACE, COLOR, SEX, CREED, OR NATIONAL ORIGIN, BE EXCLUDED FROM PARTICIPATION IN OR BE OTHERWISE SUBJECTED TO DISCRIMINATION IN ANY EDUCATIONAL PROGRAM, ACTIVITY OR FACILITY. THIS IS IN COMPLIANCE WITH TITLE VI OF THE CIVIL RIGHTS ACT OF 1964.

A SENIOR UNIT OF THE UNIVERSITY SYSTEM OF GEORGIA

AUGUSTA, GEORGIA 30904

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COLLEGE CALENDAR 1972-73

FALL QUARTER, 1972

August 18	Last day to file applications for new admission
September 11-12	Orientation
September 13-14	Registration
September 15	Exemption Exams (optional) in U. S. and Georgia History and U. S. and Georgia Constitutions
September 18	Classes begin
September 20	Last day for late registration and class changes
October 25	Midterm
Oct. 30 - Nov. 10	Pre-registration for the Winter Quarter
November 22-26	Thanksgiving recess
December 1	Last day of classes
December 4-8	Examinations
December 8	Term ends

WINTER QUARTER, 1973

December 8	Last day to file applications for new admission
January 2	Orientation and registration
January 3	Classes begin
January 3	Exemption Exams (optional) in U. S. and Georgia History and U. S. and Georgia Constitutions
January 5	Last day for late registration and class changes
January 6	Saturday will be a regular class day for the Monday schedule through the 9th period
February 6	Midterm
February 12-23	Pre-registration for the Spring Quarter
March 9	Last day of classes
March 9-10, 12-14	Examinations
March 14	Term ends

SPRING QUARTER, 1973

February 23	Last day to file applications for new admission
March 19	Orientation and registration
March 20	Classes begin
March 22	Last day for late registration and class changes
April 20	Midterm
Apr. 23 - May 4	Pre-registration for the Summer and Fall Quarters
May 25	Last day of classes
May 25-26, 28-30	Examinations
May 30	Term ends
June 2	Graduation

SUMMER QUARTER, 1973

May 18	Last day to file new applications
June 11	Orientation and registration
June 12	Classes begin
June 13	Last day for late registration and class changes
July 4	Independence Day Holiday
July 13	Midterm
July 16-20	Pre-registration for the Fall Quarter
August 17	Last day of classes
August 17-18, 20-22	Examinations
August 22	Term ends
August 24	Graduation

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GENERAL INFORMATION

PURPOSE

The Purpose of Augusta College is to provide an educational foundation that will enable its students to be creative, responsible, and productive citizens. The College encourages students to develop critical and analytical approaches to issues and situations, and to develop a frame of reference for informed value judgments. Augusta College is committed to a program that will confront students with the important ideas of Man and that will give them the opportunity of relating these ideas to their own lives and to the problems of our complex society.

ACCREDITATION

Augusta College is a member of the Southern Association of Colleges and Schools, the Association of American Colleges, the American Council on Education, the American Association of State Colleges and Universities, the American Association of Colleges for Teacher Education, and the National Association of Schools of Music.

Baccalaureate degree programs for elementary and secondary teachers are accredited by the National Council for the Accreditation of Teacher Education.

LOCATION

The Augusta College campus is located on a hill overlooking the downtown area of the city of Augusta in the center of the Central Savannah River Area with a population of 612,000. The Medical College of Georgia, offering a variety of professional and graduate programs, is located a short distance away. A close working relationship exists between the two institutions.

Augusta is the commercial and industrial center of the area and is located near the Atomic Energy Commission's Savannah River Laboratory. The region has a mild climate, with a change of seasons, not so pronounced nor so severe as in northern areas, but capable of showing a variety of weather.

HISTORY

The early beginnings of Augusta College derive from those of The Academy of Richmond Academy which was chartered on 31 July 1783 by a legislative enactment of the State of Georgia under the Constitution of 1777 that provided for the establishment of an "academy or seminary of learning" at Augusta which, in turn, opened in 1785 as The Academy of Richmond County.

In 1910, The Academy of Richmond County, under the Board of Education of Richmond County, added a year of college and commercial work to the standard four-year high school program.

The increasing need for a standard junior college led the Board of Education on August 15, 1925, to found The Junior College of Augusta. Its operation started with the 1926-27 session in what was at that time the new Academy building. The college has been fully accredited since its beginning in 1926.

The present campus is the former plantation of an 18th century Southern leader, Freeman Walker, who sold the land to the Federal government in 1826 for a fort and arsenal.

In December, 1955, after the closing of the Augusta Arsenal by the United States Government, the County Board of Education made application for the western section of this property for educational purposes. On February 12, 1957, a deed was received conveying 38.93 acres of land and thirty-four buildings. On February 18, 1957, a deed to an additional 5.65 acres was received, and the Board of Education purchased three additional acres of the Arsenal property for \$19,600.00.

In September, 1957, The Junior College of Augusta opened on its new campus. During the year, the Board of Education applied to the Board of Regents of the University System of Georgia for the incorporation of The Junior College of Augusta into the University System. This property was awarded to the State in June, 1958, with the Board of Regents assuming control on September 1, 1958. The name of the college was changed to Augusta College.

On March 17, 1959, 15.59 additional acres of former Augusta Arsenal property were deeded to the Regents of the University System. This property contains buildings which have been used to house expanding college functions. In 1965, the U.S. Government deeded about one acre to the Regents for use by the college.

In September, 1970, the Boykin Wright property, which includes 2.46 acres at 1015 Johns Road, was turned over to the State Board of Regents for use by Augusta College. The residence, known as the Boykin Wright Hall, was donated by Mrs. James F. Hillman, Wright's daughter of Pittsburgh, Pa., and by his grandsons, Allen H. Wright and Boykin C. Wright, Jr.

On May 8, 1963, the Regents of the University System authorized Augusta College to offer programs leading to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. The first of these degrees was conferred in June, 1967.

In 1967, the Regents authorized the offering of an Associate Degree in Nursing, and in 1968 a program leading to the Bachelor of Science in Education was approved. In 1971 graduate programs at the master's level were authorized as were the Bachelor of Science with a major in Medical Technology and an Associate in Criminal Justice.

At the present time undergraduate majors are offered in art, biology, business administration, chemistry, criminal justice, elementary education, English, French, history, mathematics, medical technology, music, nursing, physics, political science, psychology, secretarial science, sociology, Spanish and special education. Graduate programs are offered in business administration, elementary education and special education.

Augusta College offers a wide variety of short courses, conferences, lectures, and seminars designed for the general public.

These courses can be attended for a small fee, and there are no admission requirements.

For further information, or to be included in the mailing list for the quarterly brochure, call or write the Extended Service Department.

Augusta College is enriching also its academic and cultural offerings through international programs of study and travel.

As a member of the Southern Atlantic States Association for South Asia Studies, the College has a developing program in Third World Culture which in 1972-73 concentrates on India, with a visiting professor from India, and with seminars and public forums culminating in an India Festival.

Under the auspices of the Association, three members of the College faculty will study and travel in India in 1972, and students may elect to study in the junior year at the University of Bangalore.

As a member of the University System of Georgia, the College participates in the System's Study Abroad programs conducted in European centers.

Augusta College is sponsoring an European Study Tour of seven countries in the 1972 summer session, which integrates travel to the centers of European art, music, and literature with the courses in Humanities 222-223.

The College Choir has twice made extensive concert tours to Europe and is planning a singing tour of Central America in 1973.

Information concerning these programs can be obtained at the Academic Dean's Office.

FACILITIES

The 68-acre campus has been and is being altered considerably, although historical features have been retained and renovated, including the walls of the fort of the arsenal which still have in them rifle and gun slits, but which now encompass a garden.

Bellevue Hall, once the home of the Freeman Walker family, is the oldest building on the campus dating back to 1805. This building houses the Counseling Center, the Testing Bureau, and the Office of Publications and Information. The President's Home, the Adminis-

tration Building, the building housing the FM Radio Station, WACG, the Office of Institutional Research, and the building housing the Nursing Department and the Purchasing and Personnel Office are located around the quadrangle and were all part of the original arsenal. The Administration Building houses the offices of the President, the Academic Dean, the Director of College and Public Services, and the Director of Extended Services on the second floor. On the first floor are located the offices of the Dean of Students, the Registrar, and the Director of Admissions, and on the ground floor is the Office of the Comptroller and the Business Office.

Other more modern arsenal buildings have been converted into a library, two classroom buildings, a science building, a gymnasium, and a college activities center. In addition, a modern fine arts center with a theater and a modern indoor swimming pool have been added to the campus facilities. Tennis courts, an athletic field, and ample parking facilities are located in the vicinity of the buildings.

At the center of the academic program is the library. The college library is housed in an air-conditioned building. The facilities of the library include seating for five hundred readers, listening and microfilm facilities, an exhibit area, lounge areas, study rooms, individual study carrels, general reading, reference and special collection areas.

The library contains approximately 112,000 volumes and receives 2,500 current serials. In addition to these, there are pamphlets, microfilms, microfiche, and other resources.

The library also serves as a depository for publications of the United States government and receives many of the publications issued by the state government of Georgia.

The collection is classified according to the Library of Congress classification scheme and all materials with the exception of reserve books and special collections are on open shelves. A library handbook giving an introduction to the library and its use is available to each student.

A new, two million dollar library building has been approved for Augusta College by the Regents. It will be named The Reese Library in honor of Dr. and Mrs. John T. Reese, parents of Mrs. Robert B. Pamplin, Class of '36.

An integral part of the Augusta College program, but located approximately ten miles from the main campus, is the Fort Gordon Resident Center. This facility is located at Fort Gordon and houses the office of the Coordinator and classrooms. A number of courses are offered here each quarter in the late afternoon and evenings. While located primarily to serve Fort Gordon personnel, enrollment in these sections is open to any regularly admitted student of Augusta College.

STUDENT PERSONNEL SERVICES

Augusta College offers a well organized and varied program of services designed to supplement and complement the formal academic program. The Dean of Students is charged with the responsibility for providing experiences which will ultimately contribute to a comfortable and well adjusted student and member of society.

The Office of the Dean of Students, located in the Administration Building, coordinates the Counseling Center, Discipline, Financial Aids and Placement, Housing, Insurance, and Student Activities.

COUNSELING CENTER

Augusta College maintains a well equipped and professionally staffed Counseling Center to serve the educational, vocational, and personal-social counseling and guidance needs of the student population. The professional counselors provide an absolutely confidential relationship in which the student is assisted in his efforts to achieve reconciliations between self and universe of experience, and ultimately to achieve a state of untroubled adequacy in educational, vocational, and personal-social matters.

Orientation

On the 1st day of each quarter, a special program is offered for all new students to acquaint them with some of the facts and features of the College. During the summer, freshmen already accepted for Fall quarter enrollment have an opportunity to attend a joint Orientation and Pre-registration session for advance information in scheduling.

Testing Bureau

Through the Testing Bureau, an integral component of the Counseling Center, tests and inventories are administered to individuals and groups. The Bureau offers a wide array of personality, interest, aptitude, achievement, and intelligence tests and inventories to students at no cost. The Institutional Admissions Testing Program, the Survey of College Achievement, and other institutional testing programs are administered under the supervision of the Director of the Testing Bureau who also schedules and conducts national testing programs such as the Graduate Record Examination, the Law School Admissions Examination, the Admissions Test for Graduate Study in Business, Miller Analogies Test, Modern Language Association's Foreign Language Proficiency Test, Medical College Admissions Test, and the National Teachers Examination.

DISCIPLINE

Augusta College has defined the relationships of students as members of the College Community through the document, *Student Rights and Responsibilities*. The document is available to all members of the College Community through the Office of the Dean of Students.

The students of Augusta College have established a precedent of exemplary behavior as members of the College and civic communities. Individuals and groups are expected to observe the tradition of decorum and behave in no way which would precipitate physical, social, or emotional hazards to other members of the College community. Improper behavior is at once a breach of tradition and inconsistent with the aims and objectives of the College. Such behavior subjects the student to disciplinary probation, suspension, expulsion, or other appropriate disciplinary measures. The student shall be notified in writing of his right to appeal the decision of the College official or judicial body.

Details concerning discipline are contained in the publication entitled "*Student Rights and Responsibilities*," Augusta College.

FINANCIAL AID AND PLACEMENT

The Director of Financial Aid coordinates the financial aid program and assists students who seek scholarships, loans, grants and part-time employment. Particulars regarding the types of assistance listed herein are available through the Director.

Career Planning and Placement

The College operates the Office of Career Planning and Placement for undergraduates and alumni. The Office helps students focus their career plans by providing a career library of up-to-date information as well as professional counsel on career opportunities in virtually all areas of interest. This is a free service to assist students and alumni in obtaining positions in schools, government, business and industry. Representatives from these organizations come to the Office to seek graduates with specific background, experience, and ability to fill their positions and vacancies.

The Office provides up-to-date job listings in numerous fields, and it offers the applicant opportunities to have interviews with numerous prospective employers. These job vacancies and interviews as well as part-time and summer jobs are listed in the Employment Opportunities Bulletin which is published on a bi-monthly schedule.

Financial Assistance for Entering Freshmen

The Augusta College application for Financial Aid can be obtained by writing the Office of Financial Aid. The completed application should be returned to the Office of Financial Aid no later than June 1 for Fall Quarter and March 1 for Summer Quarter. This application enables applicants to receive consideration for all types of aid administered through the Office.

In addition the applicant must submit a Parents' Confidential Statement (PCS) to the College Scholarship Service designating Augusta College to receive the analysis. The PCS is available at this Office or at local high schools and it should be submitted by May 1 for Fall Quarter and February 1 for Summer Quarter. Applicants

must submit both forms in order to be considered for financial assistance.

Every effort is made to notify applicants of amounts and kinds of assistance by June 30 for Fall Quarter and March 30 for Summer Quarter. No awards are made until applicants are accepted for admission to Augusta College.

Financial Assistance for Returning Students and Transfer Students

Returning Augusta College students and transfer students should secure an Augusta College Application for Financial Aid between March 1 and March 30. The completed application should be returned no later than two weeks after it has been obtained.

In addition the applicant must submit the Renewal Form of the Parents' Confidential Statement (PCS) to the College Scholarship Service, designating Augusta College to receive the analysis. Both forms must be completed in order to be considered for financial assistance. Every effort is made to notify applicants as to the amounts and types of assistance by June 30.

Grants

Educational Opportunity Grants (EOG). The EOG program provides outright grants to qualifying students from low income families.

Loan Funds

Financial assistance may be obtained through an educational loan which carries a nominal interest rate. The following loan funds are available to students who attend Augusta College:

Augusta Free School Board. Sponsored by Augusta Free School Board of Trustees.

Doug Sanders Loan Fund. Loans are available for Georgia residents who are graduates of a Georgia high school, are good students, and have financial need.

Georgia Higher Education Assistance Corporation. All Georgia residents in financial need and who desire a college education may apply for these loans.

Hal C. Moore Memorial Student Loan Fund. Administered by West Augusta Rotary Club.

J. B. White Foundation. Sponsored by the J. B. White Foundation Trustees.

Lawton B. Evans Loan Fund. Sponsored by the Augusta Rotary Club.

National Defense Student Loans (NDSL). The NDSL program offers low interest and long range loans to qualifying students.

Pickett and Hatcher Educational Fund. Loans are available for stu-

dents other than those studying for medical, legal, or ministerial professions.

United Student Aid Fund Guaranteed Student Loan. Long-term low-interest loans available through private lending institutions and military credit unions.

Work Study Programs

College Work-Study (CWS). The CWS program provides on and off campus employment for qualifying students from low income families.

YMCA Work Study Program. This program is sponsored by the local YMCA.

Richmond County Athletic Association Assistantships. Tuition assistance is given men students at Augusta College who assist with the coaching of elementary school athletics in Richmond County.

Augusta College Work Assistantships. The College has need for student workers in offices, library, and laboratories. The expenses of attending college usually can be defrayed in this manner.

HOUSING

Augusta College is a non-dormitory institution. Housing is a matter left to the discretion of the student. However, dormitory space is available at University Hospital. Students interested in these facilities should contact the Assistant Dean of Students.

INSURANCE

By special arrangement the College approves a student insurance policy which provides benefits for accident and accidental death and dismemberment. The magnitude of student participation in the plan allows the insurer to offer excellent benefits for a minimal premium.

Applications for students insurance may be made at quarterly registrations.

COLLEGE ACTIVITY CENTER

The College Activity Center serves to complement and enrich student life at Augusta College through an organized program of activities housed in modern and attractive facilities. The first floor contains the cafeteria, snack bar area, and the College bookstore. The second floor houses the student lounge, TV room, game rooms, large and small group meeting areas, and offices for student activities, student government and student publications. On the third floor facilities are available for financial aids, and placement activities. The Towers Room occupies the fourth floor of the Center.

STUDENT ACTIVITIES

The Coordinator of Student Activities is charged with the responsibility for organizing and implementing a variety of social and non-

academic College functions. The Office of Student Activities is located on the second floor of the College Activities Center and serves as a clearing house for activities and announcements revolving around the social life of the student population.

The program is designed to provide opportunities for involvement and leadership through a broad spectrum of activities. Members of the Augusta College faculty serve as advisors to the organization.

Athletics

Augusta College is a member of the National Association of Intercollegiate Athletics (NAIA) and it supports teams in basketball, baseball, golf, swimming and tennis. An Intramural Sports Program is offered throughout the school year for both men and women, with a variety of different sports being offered each quarter.

Clark Hill

Augusta College leases 39.5 acres of land located approximately thirty-five miles from the campus on the Georgia side of the Clark Hill reservoir. The site is being developed for the recreational enjoyment of the students, faculty, and staff of Augusta College. Development of the site is a student project which is made possible through allocations of a portion of the student activities fees. Facilities available at the Augusta College site include a lodge, picnic area, boat launching ramp and dock, camping area, beach and swim float. The lodge is furnished and equipped with tables and chairs, kitchen supplies, dressing room areas, a juke box, a fireplace and sports equipment. A full time caretaker lives on the property and a lifeguard is on duty on weekends during the summer months.

Certain rules and regulations have been structured for the protection of all persons using the Clark Hill site. Copies of these rules and further information may be obtained in the Office of Student Activities.

Cultural and Entertainment Programs

A wide spectrum of cultural and entertainment programs are provided for students through the Dance-Concert series, film series, and Lyceum series. Outstanding members of the creative and performing arts are brought to campus in an on-going effort to enrich the educational, personal-social, and cultural components of the student life.

ORGANIZATIONS

Academic and Departmental

Biology Club—The Augusta College Biology Club was organized in 1966 to promote biology. The Club sponsors tours of area schools, a series of films, and speakers of interest to the College community.

Forensics (Debate)—Augusta College is a member of the American Forensic Association. The intercollegiate Debate and Forensic Team is open to all students and provides preparation and experience in

intercollegiate debate, oratory, oral interpretation, extemporaneous, and after-dinner speaking.

French Club—Le Salon—The French Club was formed to further students' interest in the French language and culture. The Club is open to those students interested in this particular field.

Georgia Music Teachers Association—A student chapter of this organization is open to all music majors for the purpose of exploring more widely the field of teaching and performing music. It is affiliated with the Music Teachers National Association.

History Club—The club is open to students majoring or minoring in History and to all students with an interest in the study of History.

Political Science Club—The club, organized and chartered in 1969, is open to all students interested in Political Science. The club sponsors speakers on various phases of political activities.

Phi Beta Lambda—Phi Beta Lambda is a National Business Fraternity with its main purpose being to help prepare students who are and will be competing in the business world. This organization is open to all students majoring in Business Administration, Business Education, and Secretarial Science. Members of the organization publish a Student Directory.

Physics Club—The Augusta College Physics Club is an organization of students interested in Physics and the related sciences. The three principal goals of the club are to acquire knowledge of recent scientific developments in Physics, to create a greater interest in science, and to gain a working knowledge of material studied.

Psychology Club—The Psychology Club has two types of memberships. The active membership, which has full voting and office-holding rights, requires majoring or minoring in Psychology. The associate membership is open to all those Augusta College students interested in Psychology.

Sociology Club—The Sociology Club is open to all interested students on campus who are majoring or minoring in Sociology. The purpose of the club is to promote interest in Sociology through regular meetings.

Student Georgia Association of Educators—The Geraldine Hargrove Chapter of the Student Georgia Association of Educators at Augusta College is an organization open to college students enrolled in programs of preparation for professional certification to teach. It is affiliated with both the Georgia Association of Educators and the National Education Association.

Student Nursing Association of Georgia—A chapter of the Student Nursing Association of Georgia is open to all nursing students.

Honorary

Who's Who—Augusta College participates annually in Who's Who

among Students in American Universities and Colleges, a national honor conferred upon outstanding student leaders from approximately 1,000 colleges and universities in the United States. Academic standing, service to the community, leadership in extracurricular activities and future potential are requisites for the honor.

Political

Young Republicans—The Augusta College Young Republicans Club is active in local, state, and national Republican affairs, as well as state and national Young Republican activities. Membership is open to all interested students regardless of their political ideology.

Religious

Baha'i Club—an association to acquaint those interested with the tenets of the Baha'i faith.

Baptist Student Union—The Baptist Student Union is a church-sponsored group open to all Baptists and other interested students. Its purpose is to enhance the spiritual life of its members through group discussion and invited speakers.

Navigators—an inter denominational group to help interested students develop as Christians through a regular and meaningful study of the Bible.

Newman Club—The Newman Club of Augusta College fosters spiritual, intellectual, and social interests of its members through regular gatherings. Its membership is open to all interested Catholic students on campus.

Service and Special Interest

Alpha Phi Omega—A service organization for men students. It is an affiliate of the Boy Scouts of America.

Augusta College Theatre—The AC Theatre stages one production per quarter. The group has become well-known for the professionalism in set design as well as make-up and acting. Membership is open to all interested students.

Black Student Union—An organization dedicated to promote the history of Black Heritage. The union is open to all students.

Circle K Club—A service organization sponsored by the Kiwanis. Membership is by invitation.

Collegiate Civitan Club—A club dedicated to providing service to the community and the college.

Jaycees—A service organization dedicated in civic responsibilities to our community, our nation, and our fellow men.

Choir—The Augusta College Choir performs music in many styles, from medieval motets to modern show tunes. The Choir has made tours to Miami, New Orleans, Washington, New York, California,

Atlanta, and Europe (1966 and 1971). The Choir is open to Augusta College students, tryouts are held at the beginning of each quarter.

Social

Alpha Delta Pi—Zeta Zeta Chapter of Alpha Delta Pi is a national social fraternity for women and is associated with National Panhellenic Conference.

Pi Kappa Phi—Kappa Phi Chapter is a social fraternity for men and is an affiliate of Pi Kappa Phi national fraternity.

Sigma Phi Epsilon—Sigma Epsilon Colony is a social fraternity for men and is associated with Sigma Phi Epsilon national fraternity.

Zeta Tau Alpha—Zeta Mu Chapter of Zeta Tau Alpha is a national social fraternity for women and is associated with National Panhellenic Conference.

STUDENT GOVERNMENT

Student Government consists of five (5) representatives from each of the freshman, sophomore, junior and senior classes; the officers of each class who are: the president, vice-president, and secretary-treasurer; and the officers of S.G.A. who are: president, vice-president, secretary and treasurer. These S.G.A. officials are elected from and by the student body. All elections are held during the spring quarter with the exception of the election of freshman class officers and representatives which occurs during the fall quarter. The purposes of S.G.A. are: to initiate and sponsor student activities looking to the betterment of student life at Augusta College and to lend student's influence and support to all measures that promote the prestige and usefulness of the College. S.G.A. is a regulatory body and serves in an advisory capacity to the College administration.

The Constitution under which the Student Government Association of Augusta College operates is available in the S. G. A. office.

STUDENT PUBLICATIONS

The *Bell Ringer* is the official student newspaper. It is published on a weekly schedule by a student staff.

White Columns is the College's yearbook. It is compiled and edited by students with the advisement of the Coordinator of Student Activities.

HONORS AND AWARDS DAY

During the latter part of the spring quarter, an annual Honors and Awards Day program is held. At this time three groups of students are given recognition: those meriting scholarship honors for having made superior grades; those exhibiting constructive leadership in the advancement of the College, or who have rendered unselfish service in an outstanding manner during their years in College. Those earning

awards for participating in College athletics during the year are honored on a separate date.

The following individual awards are made in addition to the above college awards:

Bailie's Custom House Award—The recipient is selected by the departmental faculty for unusual achievement in the field of Art, the name being inscribed upon a permanent plaque.

Batthey Oratorical Award—A silver trophy is awarded to the student who writes and delivers the best oration in the field of Southern History or Literature. This award is offered through the United Daughters of the Confederacy.

Business Administration Awards—Four awards are made annually by the Department of Business Administration. Two awards are provided by Phi Beta Lambda. These go to seniors who achieve the highest academic averages in the business education and executive secretarial programs respectively. The Department of Business Administration makes two awards, honoring the seniors with the highest academic average and the highest average in economics courses respectively.

Psychology Honors Award—This plaque is awarded to the outstanding Senior in Psychology.

Theodore deTreville Award for Excellence in History—This is an award offered by Mrs. Virginia E. deTreville as a memorial to her son, Theodore Evans deTreville, an Augusta College student. The award is given to the outstanding student graduating with a Major in History. Criteria for the selection of the recipient include an interest in the further study, scholarship, or teaching of history, good character, and outstanding personal qualities.

Edward B. Turner Award—The recipient is selected by departmental faculty on the basis of outstanding achievement and service to the college in the field of Music, the name being inscribed on a permanent plaque.

Mathematics Award—The Savannah River Section of the American Nuclear Society sponsors an annual award honoring an outstanding student in mathematics. The recipient of this award must be a senior majoring in mathematics and is to be selected by the Mathematics faculty.

McCrary English Award—This is a plaque award offered by Mrs. Ruby McCrary Pfadenhauer as a memorial to Charles A. McCrary to the student attaining the highest average in English.

McCrary Science Award—This is a plaque award offered by Mrs. Ruby McCrary Pfadenhauer as a memorial to Charles A. McCrary to the student attaining the highest average in science.

Physics Achievement Award—The Savannah River Section of the American Nuclear Society sponsors an annual award honoring an

outstanding student in physics. The recipient of this award must be a senior majoring in physics and is to be selected by the Physics faculty.

Sister Mary Louise Herman Award—A cash gift of one hundred dollars and an award known as the Sister Mary Louise Herman Award is presented each year to an outstanding young lady at the end of her nurses' training at Augusta College. Selection is made on the following attributes: High Christian Ideals, Leadership Ability, Sincerity of Purpose, and a Sense of Responsibility. The gift and the award are perpetual and are given by the St. Joseph Hospital Auxiliary in honor of the late Sister Mary Louise Herman, Administrator of St. Joseph Hospital from December 10, 1952 until January 2, 1971.

Student GAE Award—The Georgia Association of Educators annually provides a book for the Augusta College Library in honor of an outstanding graduate in a program leading to certification to teach. Criteria for the selection of the recipient include records of service, participation and scholastic achievement as well as personal qualities.

The Augusta College Oratory Medal—This medal is awarded each year to the student who prepares and delivers the best oration on The Constitution of the United States.

The Biology Department each year chooses the outstanding senior Biology student for recognition of scholastic achievement.

UNDERGRADUATE ADMISSIONS POLICIES AND PROCEDURES

The College accepts applications for admission to both degree and non-degree status. Application forms are available upon request from the Director of Admissions.

The University System of Georgia sets certain minimum standards for admission, reserving to the individual institutions the right of additional requirements. Accordingly, the College reserves the right to refuse admission to any applicant who, in its judgment, is not qualified to pursue college-level work at Augusta College by reason of his lack of intellectual capacity, demonstrated academic achievement, quality of training, moral character, social adjustment, or physical fitness. To make this judgment, the College may require of any applicant an interview and more than routine information.

APPLICATION

The application form, along with all supporting documents, must be received by the Director of Admissions no later than 30 days before the beginning of the quarter in which the applicant wishes to enroll.

A student who does not register in the quarter for which he is admitted and who wishes to attend at a later date, must file a new application form, including any additional supporting documents, but he is not required to pay another application fee.

ADMISSION AS A DEGREE CANDIDATE

Application for admission as a degree candidate. Each applicant for admission as a degree candidate must submit: (1) a completed application form, (2) a transcript from each secondary school attended, (3) scores on the College Entrance Examination Board's Scholastic Aptitude Test, and the Achievement Tests in English Composition and Intermediate Mathematics (Level I), (4) a transcript from each college attended, and (5) a statement of place of residence.

Freshman students. The minimum requirements for admission as a degree candidate are:

- (1) graduation from an accredited high school, and
- (2) sixteen units of high school work distributed as follows:
English, 4 units; algebra, 2 units (one additional unit in plane geometry for intended science majors); social studies (1 unit in American history), 2 units; science (general science, biology, chemistry, physics), 2 units; academic electives, 4 units; unrestricted electives, 2 units;

or comparable entrance examinations completed at a level satisfactory to the College.

Transfer students. In order to be admitted at Augusta College

as a transfer student, an applicant must be in good standing at the institution last attended. The College does not accept an application for admission as a transfer student if the applicant is ineligible to continue at, or return to, the educational institution in which last enrolled.

In addition to the minimum requirements for freshman admission, an applicant for admission as a transfer student must present a grade point average which meets the minimum scholarship standard acceptable for Augusta College students.

The College reserves the right to make its own assessment of courses offered for transfer credit.

Admission of High School Juniors. Under exceptional circumstances, students may be admitted to Augusta College at the end of their junior year in high school. They must have outstanding records in college preparatory subjects and must present scores on the combined Verbal and Mathematics sections of the Scholastic Aptitude Test satisfactory to the Augusta College Admissions Office. The recommendation of the student's high school principal will be considered by the Admission Office. Applicants interested in this program should contact the Director of Admissions.

ADMISSION AS A NON-DEGREE STUDENT

A non-degree student may be either a transient student or a special student.

A transient student is a degree candidate at another institution, who is granted the privilege of temporary registration at Augusta College for one quarter. He may renew his status for a second quarter or transfer as a degree candidate provided his total academic record meets the minimum scholarship standards acceptable for Augusta College students.

Application for admission as a transient student. Each applicant for admission as a transient student must: (1) meet the minimum admissions requirements for degree candidates, (2) file a completed application form, (3) submit a letter of good standing from the dean of the college in which he is matriculated, and (4) file a statement of place of residence.

A special student is not a degree candidate at Augusta College or at another educational institution, but is one who, for various reasons, seeks particular instruction at Augusta College.

Application for admission as a special student. Each applicant for admission as a special student must: (1) meet the minimum admissions requirements for degree candidates, (2) file a completed application form, (3) present evidence of honorable dismissal from the institution in which he was last enrolled, or evidence of holding a bachelor's degree, and (4) file a statement of place of residence.

VETERANS

Veterans and children of persons who died of a disease or injury incurred or aggravated in the line of duty in the active service of the armed forces during World War I, World War II, the Korean Police Action, or the Vietnam conflict should submit proper credentials from the Veterans Administration to the Registrar after acceptance to the college.

Each veteran should make provisions for adequate financial backing for one full quarter since payments from the VA are sometimes delayed.

GENERAL PROVISIONS

1. If it shall appear to the Director of Admissions of the College that the educational needs of an applicant to this institution can best be met at some other institution of the University System, he shall refer the applicant to that institution.
2. The Director of Admissions of the College may refer any application to the Academic Policies Committee for study and advice.
3. Eligible applicants who wish to appeal the admissions decision of the Director of Admissions have the right of appeal as provided in the bylaws of this institution, the Board of Regents, and the University System.
4. The College reserves the right to reject an applicant who is not a resident of the State of Georgia.
5. The Augusta College Summer Trial Program is designed to assist students in overcoming academic weaknesses apparent at the time of application.

Under the terms of the Summer Quarter Trial Program a student is required to complete a full program of studies (16 quarter hours) including either Mathematics 101 (Freshman Mathematics I), or English 101 (College Composition) and Physical Education. (Business Majors take Finite Mathematics, Math 121, instead of Mathematics 101). The student must earn a quality point average of at least 1.00 (D average).

Full College credit is awarded for all work satisfactorily completed.

ADMISSION TO NON-CREDIT PROGRAMS AND COURSES

The requirements for admission to non-credit seminars, short courses, and study institutes are administered by the Director of Extended Services consistent with policies of the University System of Georgia and Augusta College.

EXPENSES AND BUSINESS REGULATIONS

GENERAL BUSINESS REGULATIONS

The college year of nine months is divided into three quarters of approximately three months each. Expenses are charged and payable by the quarter since each quarter constitutes a separate unit of operation. A student may enroll at the beginning of any quarter.

To insure sound financial operation and conformity with the policies of the Board of Regents, certain regulations must be observed.

All payments are to be made to the Comptroller's Office located in the Administration Building. Fees and charges may be paid in cash or by check in the amount of the student's bill. If a check given for a student's bill is not paid on presentation to the bank on which it is drawn, a payment of a \$5.00 service charge will be required. Other returned checks will require the payment of a \$2.00 service charge.

Registration at the beginning of each quarter is not complete until all general fees have been paid and no student may be admitted to classes without having met his financial obligations.

Fees and charges are subject to change at the end of any quarter.

APPLICATION FEE

A fee of \$10.00 must accompany a new student's application for admission. This fee is not refundable and does not apply toward registration or matriculation fees.

MATRICULATION FEE

The matriculation fee is charged all students. Those registering for 12 quarter hours or more will be charged \$115 per quarter. Students registering for fewer than 12 quarter hours will be charged at the rate of \$9.75 per quarter hour.

RESIDENCE CLASSIFICATION

A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon his presenting evidence that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.

In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of appointment, and then only upon proper evidence that such appointment was not made to avoid payment of the non-resident fee.

If a student is over 21 years of age, he may register as a resi-

dent student only upon showing that he has been domiciled in Georgia for at least twelve months prior to the registration date. Any period of time during which a person is enrolled as a student in any educational institution in Georgia may not be counted as a part of the twelve months' domicile and residence herein required when it appears that the student came into the State and remained in the State for the primary purpose of attending a school or college.

A full-time faculty member in an institution of the University System, his wife, and minor children may register for courses on the payment of resident fees, even though the faculty member has not been in residence in Georgia for a period of twelve months. If the parents or legal guardian of a minor changes residence to another state following a period of residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve months' period the student may continue his registration only upon the payment of fees at the non-resident rate.

MILITARY PERSONNEL

Military personnel stationed in Georgia, and their dependents, may become eligible to enroll in institutions in the University System as resident students provided they file with the institution in which they wish to enroll the following materials:

- (a) A statement from the appropriate military official as to the applicant's "home of record";
- (b) Evidence that the applicant, if over 21 years of age, is eligible to vote in Georgia;
- (c) Evidence that the applicant, if under 21 years of age, is the child of parents who are eligible to vote in Georgia;
- (d) Evidence that the applicant, or his parents, filed an income tax return in Georgia during the preceding year.
- (e) Other evidence showing that a legal domicile has been established in Georgia.

FOREIGN STUDENTS

Foreign students who attend institutions of the University System under the sponsorship of recognized civic or religious groups may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.

All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper federal immigration authorities a Declaration of Intention to become a citizen of the United States shall have the same privilege of

qualifying for residence status for fee purposes as has a citizen of the United States.

In addition to the regular admission requirements, students from countries whose native language is other than English must present evidence that their ability to speak, read and understand English is adequate to undertake academic studies. Scores from the "Test of English as a Foreign Language" are used to determine proficiency. Test scores should be furnished the Admissions Office at the time of application.

Foreign students must, prior to admission, furnish evidence that they have sufficient funds to defray living expenses in the United States and the required college matriculation fees.

TEACHERS

Teachers in the public schools of Georgia and their dependents may enroll as students in the University System institutions on payment of resident fees, when it appears that such teachers have resided in Georgia for nine months, that they were engaged in teaching during this nine months' period, and that they have been employed to teach in Georgia during the ensuing school year.

In the event that a woman who is a resident of Georgia and who is a student in an institution of the University System marries a non-resident of the State, the woman will continue to be eligible to attend the institution on payment of resident fees, provided that her enrollment is continuous.

If a woman who is not a resident of Georgia marries a man who is a resident of Georgia, the woman will not be eligible to register as a resident student in a University System institution until she has been domiciled in the State of Georgia for a period of twelve months immediately preceding the date of registration.

Non-resident graduate students who hold assistantships that require at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.

OUT-OF-STATE TUITION

Non-resident of Georgia registering for 12 or more credit hours must pay a fee of \$180 per quarter in addition to all regular fees. Students carrying fewer than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$14 per quarter hour (See page 24 for classification of students as residents or non-residents.)

STUDENT SERVICES FEE

Each student will be charged a non-refundable Student Service Fee of \$15.00 per quarter. This fee is used to defray expenses for essential student services not normally covered in the instructional and educational budget.

MOTOR VEHICLE REGISTRATION FEE

Adequate parking facilities are provided for the convenience of the large number of students commuting from neighboring towns.

All motor vehicles must be registered. Parking permits are available in the Public Safety office. An annual permit, which is valid for the academic year only (3 quarters), may be purchased for \$5.00. A second permit will cost \$1.00. A parking permit for the summer quarter only may be purchased for \$2.00.

LATE REGISTRATION

Students who do not register and pay fees at the time designated for registration in the College Calendar will be charged a late Registration Fee of \$3.00 for the first day after registration, plus a \$1.00 for each additional day of late registration up to a maximum of \$5.00.

GRADUATION FEE

A fee of \$10.00 will be charged graduates for a diploma and rental of cap and gown. This is payable at the time the student applies for graduation *no later than the mid-term date of the quarter preceding the final quarter of course work.*

TRANSCRIPT FEE

A student who has discharged all financial obligations to the college is entitled to receive on request and without charge one transcript of his full academic record. A charge of \$1.00 will be made for each additional transcript.

CHANGE OF SCHEDULE FEE

A fee of \$1.00 is charged for each schedule change made by the student after registration. No charge is made if the change is initiated by the college.

MUSIC FEES

Private instruction in piano, organ, orchestral instruments, voice, or composition, two one-half hour lessons or one 1-hour lesson each week, per quarter, \$45.00 in addition to the matriculation fee. Applied music instruction is available to any Augusta College student upon payment of the music fee.

OTHER EXPENSES

In estimating costs of attending Augusta College, these miscellaneous expenses should be considered: (1) books and supplies, particularly in courses which require the purchase of special supplies such as art, engineering drawing, biology; (2) an official uniform required of all enrolled in freshman and sophomore physical education.

SUMMARY OF FEES

Application Fee, non-refundable (all new admissions)		\$10.00
<i>General Fees (per quarter)</i>	<i>Residents of Georgia</i>	<i>Non-Residents</i>
Matriculation Fee		
12 or more quarter hours	\$115.00	\$115.00
Fewer than 12 (per hour)	9.75	9.75
Non-Resident Tuition		
12 or more quarter hours		180.00
Fewer than 12 (per hour)		14.00
Student Services Fee, non-refundable	15.00	15.00
<i>Privilege Fee (as applicable)</i>		<i>All Students</i>
Late Registration—Maximum		5.00
Graduation		10.00
Transcript, first one free, each additional		1.00
Change of Schedule		1.00

REFUNDS

Official Withdrawal from College: Refunds will be made at the end of the quarter in which the withdrawal is made. Students who officially withdraw with a clear record within the time specified after the scheduled registration date may receive refunds as indicated:

<i>Time of Withdrawal</i>	<i>Percent Refunded</i>
Not more than one week	80
Not more than two weeks	60
Not more than three weeks	40
Not more than four weeks	20
More than four weeks	0

Unofficial Withdrawal from College: No refund will be made to a student who withdraws from college without filing official withdrawal forms with the Registrar's Office.

Reduction in Course Load Initiated by the College: If a course is dropped by the College from the quarter's schedule, students affected will be due a refund on the difference between total fees paid and charges on the amount of course work remaining.

Reduction in Course Load Initiated by the Student: If a student drops part of the course load for which he registers, a refund on the difference between total fees paid and charges on the amount of course work remaining will be made. The above schedule of percentages of refunds will apply. Such cases will be considered as schedule changes and the Change of Schedule charge will be made.

ACADEMIC REGULATIONS

The academic program of Augusta College is administered by fourteen academic departments, each headed by a Chairman, all reporting to the Office of the Academic Dean. These departments furnish the basic organization of the faculty into the various academic disciplines and provide the framework for the generation and maintenance of quality education in the variety of courses and programs listed in the catalog.

The college committee on Academic Policies, the College Curriculum Committee, and the Graduate Council serve as the major sources for recommendations to the faculty on policies in these areas. The faculty reserves the right to recommend changes in curricula, as in rules, at any time when in its judgment such changes are in the best interest of the student and the College.

Registration at the College involves the student's acceptance of the official academic regulations. The student is expected to follow the program outlined by his department and should do sufficient planning, in consultation with his Faculty Advisor, to avoid scheduling difficulties which may impede his normal academic progress.

OFFICE OF STUDENT RECORDS

Permanent academic records are maintained by the Registrar in the Office of Student Records. Certified copies of a student's record are released only at the direction of the individual student. This office also furnishes certifications of enrollment to the Selective Service System, the Veterans Administration, and the Department of Health, Education, and Welfare.

UNIT OF CREDIT

The College is organized on the quarter system. Each of the three quarters in the regular session extends over a period of approximately 12 weeks.

The quarter hour is the unit of credit in any course. It represents a recitation period of one fifty-minute period a week for a quarter. A course meeting five periods a week would thus give credit of 5 quarter hours when completed satisfactorily. For credit purposes, two laboratory or activity periods are counted as the equivalent of one recitation class period.

A student may not receive additional hours of credit if he repeats a course in which he has already earned credit.

UNDERGRADUATE STUDENT LOAD

The normal course load of a full-time student is 15-17 quarter hours of credit work. A student may schedule an overload up to a maximum of 21 quarter hours of credit work if (1) he has a grade point average of 3.00 overall, or (2) he is within 21 hours of gradua-

tion. Special approval from the Academic Dean is required for a student to schedule more than 21 quarter hours of credit work.

AUDITORS

Regularly enrolled Augusta College students may register for courses as auditors. No academic credit shall be awarded to students enrolled on this basis. After the last day for registration, no changes from an audit basis to credit or from credit to audit will be permitted.

UNDERGRADUATE STUDENT CLASSIFICATION

For the purpose of class organization, students are classified on the basis of number of quarter hours of academic credit earned at the time of registration as follows: Freshman 0-39, Sophomore 40-79, Junior 80-129, Senior 130 or more.

COURSE CHANGES

Courses may be dropped and (or) added only upon the approval of the student's faculty advisor. Course changes are not to be made at the whim of the student. In the case of course changes, the student must initiate an "Add-Drop" form which can be obtained from the Registrar's Office.

The last day for late registration, as given in the College Calendar, shall be the last day a student may enroll in a class.

CLASS ATTENDANCE

Regular and punctual attendance is expected of students in all classes, and is counted from the first class meeting each term. After the equivalent of one week of absences from a class, regardless of cause, the student is subject to being dropped from the class by the instructor. A student so withdrawn may appear before the Academic Policies Committee for reinstatement. In the event a student is reinstated, he is fully responsible for making up all work missed while his case was pending before the Academic Policies Committee.

GRADING SYSTEM

Letter grades are recorded according to the following scale:

<i>Grade</i>		<i>Quality Credits</i>
A	Excellent	4.0
B	Good	3.0
C	Satisfactory	2.0
D	Poor	1.0
F	Failure	0
WF	Withdrawal, Failing	0
I	Incomplete	Not Computed
WP	Withdrawal, Passing	Not Computed
AUD	Audit	Not Computed

If a student withdraws, or is withdrawn from a course after the

period for course changes, the instructor will submit a grade of WF or WP; however, if a student withdraws from a course after mid-term date, the instructor will normally submit a grade of F.

GRADE CHANGES

Any grade changes must be accomplished within the quarter immediately following the quarter in which the grade was originally reported.

The maximum time for completing course work to remove an "I" (Incomplete) is one quarter; otherwise, the "I" is to be recorded as an "F". Any appeal for an exception must be made to the chairman of the department in which the course was taken and to the Academic Dean of the College.

UNDERGRADUATE SCHOLARSHIP STANDARDS

A candidate for an associate or bachelor's degree must maintain a minimum grade point average consistent with the College's requirement of a C (2.00) average for graduation. A student who fails to meet acceptable minimum standards of scholarship normally forfeits the privilege of continued attendance.

The grade point average used to determine minimum acceptable standards is computed by multiplying the number of credits per course—excluding courses in which a grade of I, WP, or AUD is recorded—by the quality credits earned, and dividing the sum of the products by the total number of credits *attempted*.

DEAN'S LIST

The Dean's List is compiled quarterly. Students who have attained a grade average of 3.5 are placed on the Dean's List. Only students who are taking a full load of course work are eligible for this honor.

ACADEMIC PROBATION AND SUSPENSION

Any student who earns a cumulative Grade Point Average of less than 2.00 will be placed on academic probation. However, a student may continue in attendance on probation if he meets the following minimal requirements:

- (A) A student who has earned from 0 to 48 quarter hours and is on probation may continue his enrollment for two additional quarters or until he reaches the level of 48 hours earned, whichever occurs first. However, he must have earned a cumulative Grade Point Average of 1.5 or better at this point.
- (B) A student who has earned 49 to 96 quarter hours and is on probation must achieve a cumulative Grade Point Average of 1.75, or better, during the next quarter that he is enrolled, or have a quarter average of 2.00 or better.
- (C) A student who has earned 97 to 142 quarter hours and is on

probation must achieve a cumulative Grade Point Average of 1.90, or better, during the next quarter that he is enrolled, or have a quarter average of 2.30 or better.

- (D) A student who has earned 143 or more quarter hours and is on probation must achieve a cumulative Grade Point Average of 2.00, or better, during the next quarter that he is enrolled, or have a quarter average of 2.30 or better.

The student who fails to meet the conditions necessary for continued attendance on probation will be suspended.

Academic Reinstatement on Probation

A student suspended for academic deficiencies may be reinstated after a lapse of three quarters provided he petitions the Academic Dean one month in advance of the beginning of the quarter for which he seeks to be reinstated.

Academic Dismissal

A student who has been reinstated must meet the minimal requirements for continued attendance on probation or he will be permanently dismissed from the College.

GRADUATION REQUIREMENTS

The amount of academic credit that the College will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at the College during that time. The Academic Dean of the College determines which credits may be applied toward fulfilling degree requirements. A maximum of 96 quarter hours of credit earned in a junior college may be applied toward a degree.

Normally, Augusta College does not permit its students to enroll in extension courses or in correspondence courses. Permission to enroll in such courses and to obtain transfer credit for such courses must be requested through written petition to the Academic Dean of the College.

A candidate for the degree of Associate in Arts must satisfy the College's matriculation requirements for the prescribed number of hours in the program with a quality point average of 2.0 (C).

A candidate for the degree of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, or Bachelor of Business Administration must satisfy the following requirements in order to graduate:

1. *Course requirements:* completion of a minimum of 180 quarter hours of credit exclusive of credit earned in Physical Education 100-200 courses.
2. *Grade point average:* an overall grade point average of at least 2.0 (C).

3. *Residence requirement:* completion of a minimum of 45 quarter hours academic credit in courses numbered 300 and above on the main campus of Augusta College. At least 30 hours of this credit must be earned after achieving senior status. Students majoring in Medical Technology must have the equivalent of their Junior year in residence, the fourth year being taken at one of several approved hospital schools of Medical Technology affiliated with Augusta College.

A student who has satisfied the foreign language requirements for his degree may count the courses taken during his junior and senior years in any other foreign language, regardless of course numbers, toward his upper division (300-400 level) graduation requirements.

4. *Core Curriculum requirements:* *quarter
hours*

AREA I

Humanities—20 Hours

*Eng 101-102, or	College Composition I & II	10
¹ Eng 101 and	College Composition I	5
Eng 111	Freshman English	5
	and	
Hum 221-222	Humanities I & II	10

AREA II

Science & Mathematics—20-22 Hours

²Science — 10-15 Hours

Bio 101 and	Biology I	5
Bio 102, or	Biology II	5
Chm 101-102, or	General Chemistry I & II	10
Chm 105 and	Basic Chemistry	5
Chm 245, or	Basic Organic Chemistry & Biochemistry	5
Psc 101-102, or	Physical Science I & II	10
Pcs 201-202, or	General Physics I & II	10
Pcs 211 and	Mechanics	6
Pcs 212	Electricity	6

Mathematics—5-10 Hours

Mat 101	Freshman Mathematics I	5
Mat 102	Freshman Mathematics II	5
Mat 111	Precalculus Mathematics	5
Mat 121-122	Finite Mathematics	10
Mat 201	Calculus and Analytic Geometry I	5

*A grade of "C" or better is required in each course.

¹Advanced placement credit for Eng 101 upon satisfactory completion of Eng 111.

²At least ten quarter hours to be taken in one department.

AREA III

Social Science—20 Hours

His 211 or	American History to 1877	5
His 212 and	American History since 1877	5
Pol 101 or	American Government	5
Pol 201	American Government	5

(His 211 or 212 satisfies the *legislative and core* requirements for History. Pol 101 satisfies the *legislative and core* requirements for government. If Pol 201 is taken it satisfies the core *but not the legislative requirements* which are then met by passing the exemption examinations.)

and two of the following courses:

Ant 101	Introductory Anthropology	5
Ant 201	Cultural Anthropology	5
Ecn 101	Principles of Economics I	5
Ecn 102	Principles of Economics II	5
His 115	History of Western Civilization I	5
His 116	History of Western Civilization II	5
His 211	American History to 1877	5
His 212	American History since 1877	5
Phy 101	Introduction to Philosophy	5
Pol 201	American Government	5
Psy 101	Principles of Psychology	5
Soc 101	Introductory Sociology	5
SSA 111	Introduction to Social Work	5
Soc 202	Contemporary Social Problems	5
Soc 221	Courtship and Marital Adjustment	5

AREA IV

Thirty to thirty-three hours, applicable to the major, are required in this area. Some courses listed for some majors may also be found in Areas I, II or III but may NOT be counted in more than one area.

Art

<i>Courses</i>	<i>Hours</i>
Art 121, 122, 123	15
Choice of 15 hours from the following:	
Art 211, 212, 213	
Dra 225	
Foreign Language 101, 102, 201, 202	
Bio 111	
Edu 204	15

Biology

<i>Courses</i>	<i>Hours</i>
Mat 201 or 221	5
Chm 103	5
Bio 103 or 101, 102	5
Choice of three of the following:	
Bio 201, 202, 221, 222	15

Business Administration

<i>Courses</i>	<i>Hours</i>
Bus 211 & 212	10
Ecn 102, 103, & 201	15
Mat 221	5

Chemistry

<i>Courses</i>	<i>Hours</i>
Four of the following:	
Chm 101, 102, 103, 281	
Mat 111, 201, 202, 203, 204	20-21
Two of the following:	
Pcs 201, 202, 203, 211, 212, 213	
Fr 101, 102, 201, 202	
Ger 101, 102, 201, 202	10-12

Education

<i>Courses</i>	<i>Hours</i>
Edu 204	5
Psy 101	5
Hum 223	5
Choice of three of the following:	
Spc 101	
Ggy 101	
His 116	
Fr 101, 102, 201, 202	
Ger 101, 102, 201, 202	
Sp 101, 102, 201, 202	
Phy 101, Bio 203-204	15

French

<i>Courses</i>	<i>Hours</i>
French through 211	5-25 hrs
Choice from the following courses to complete the 30-hour requirement in this area:	
Art 121, 122, 123, 211, 212, 213, 225	
Dra 225	
Edu 204	
Ger 101, 102, 201, 202, 211	
His 115, 116	
Jrl 101	

Mus 101, 102, 103, 111, 112, 113
 201, 202, 203, 211, 212, 213, 225
 Phy 101
 Sp 101, 102, 201, 202, 211
 Spc 101

English

<i>Courses</i>	<i>Hours</i>
His 115, 116, 211, 212	10-20
Pol 101	
Fr 101, 102, 201, 202, 211; or	
Ger 101, 102, 201, 202, 211; or	
Sp 101, 102, 201, 202, 211	0-20
Choice of two of the following: (if needed for 30 hr. requirement):	
Art 121, 122, 123, 211, 212, 213, 221, 222, 223, 225	
Dra 225	
Mus 101, 102, 103, 111, 112, 113, 201, 202, 203, 211, 212, 213, 225	
Spc 101 or 201	
Edu 204	
Jrl 101	
Phy 101, 201, 203	
Pol 201	
Psy 101 or 250	
Ant 101 or 201	
Soc 101, 111, 202	0-10

History

(The Foreign Language requirement may be satisfied via the arrangement of courses in *Track A* or *Track B*.)

<i>Track A Courses:</i>	<i>Hours</i>
Foreign Language 101, 102, 201, & 202, or	
Foreign Language 201 & 202, or	
Foreign Language 202 or 211	5-20
and:	
His 212	5
Soc 101	5
<i>Track B Courses:</i>	
Foreign Language 101 & 102, or	
Foreign Language 201 & 202, or	
Foreign Language 202 or 211	5-10
Mat 221 & 235	10
and: His 212	5
¹ Soc 101	5

¹If not used to satisfy Area III or Area IV requirements becomes a graduation requirement for completion of the major with a Secondary Education minor.

Choice of the following:

Ant 101	
¹ Ecn 101	
¹ Ggy 101	
¹ Phy 101	
¹ Psy 101	
Pol 201	0-15
Pol 202	

Mathematics

<i>Courses</i>	<i>Hours</i>
Mat 201, 202, 203, 204	20
² Fr 201 & 202; or	
² Ger 201 & 202; or	
*Rus 201 & 202	10

Music

<i>Courses</i>	<i>Hours</i>
Mus 111, 112, 113, 211, 212, 213	30

Physics

<i>Courses</i>	<i>Hours</i>
Six of the following:	
Chm 101, 102, 103	
Mat 201, 202, 203, 204	
Pcs 211, 212, 213	

Physics - Education

<i>Courses</i>	<i>Hours</i>
Six of the following:	
Chm 101, 102, 103	
Mat 201, 202, 203, 204	
Phy 211, 212, 213	
Bio 101	
Edu 204	30-33

Political Science

(The Foreign Language requirement may be satisfied via the arrangement of courses in *Track A* or *Track B*.)

<i>Track A Courses:</i>	<i>Hours</i>
Foreign Language 101, 102, 201, & 202, or	
Foreign Language 201, & 202, or	
Foreign Language 202 or 211	5-20

¹If not used to satisfy Area III or Area IV requirements becomes a graduation requirement for completion of the major with a Secondary Education minor.

²Mat 235 may be substituted for 5 hours.

*Not presently taught.

Choice of the following:

Pol 201	
Pol 202	
Soc 101	
His 211 or 212	
Ecn 101	
Psy 101	
Phy 101	25-10

Track B Courses:

Foreign Language 101 & 102, or	
Foreign Language 201 & 202, or	
Foreign Language 202 or 211	5-10
Mat 221 & 235	10

Choice of the following:

Pol 201	
Pol 202	
Soc 101	
Psy 101	
Phy 101	15-10

Psychology

<i>Courses</i>	<i>Hours</i>
Foreign Language (Fr, Ger, or Sp 101 & 102 and/or 201 & 202)	10-20
Psy 250	5

Choice of the following:

Ant 101 or 201	
Ecn 101, 102, 201	
Ggy 101	
Pol 201	
Psy 101	
Soc 101	5-15

Spanish

<i>Courses</i>	<i>Hours</i>
Spanish through 211	5-25 hrs

Choose from the following courses to complete the 30-hour requirement in this area:

Art 121, 122, 123, 211, 212, 213, 225
Dra 225
Edu 204
Fr 101, 102, 201, 202, 211
Ger 101, 102, 201, 202, 211
His 115, 116
Jrl 101
Mus 101, 102, 103, 111, 112, 113
Mus 201, 202, 203, 211, 212, 213, 225
Phy 101
Spc 101

Sociology

<i>Courses</i>	<i>Hours</i>
Foreign Language 101 & 102 or Foreign Language 201 & 202, or 211	10
Psy 101	5
Soc 101	5
Choice of two of the following:	
Ant 101 or 201	
Ecn 101, 102, 201	
Ggy 101, Phy 101	
Pol 101 or 201	10
5. <i>Additional course requirement:</i> Credit for Hum 223 (Humanities III—The Modern World).	
6. <i>Major Concentration:</i> Normally a minimum of 45 quarter hours. Grades below C are not accepted for a major concentration. At least one half of the major concentration must be completed in residence at Augusta College. Some departments (see departmental statements) require general education or cognate courses in addition to the core curriculum and major courses. Satisfactory completion of the major concentration is certified by the major department.	
7. <i>Minor Concentration:</i> Normally a minimum of 25 quarter hours. (Excepting the Bachelor of Business Administration Degree). Grades below C are not accepted for a minor concentration. Satisfactory completion of the minor concentration is certified by the minor department.	
8. <i>Special Examinations:</i> From time to time special examinations may be required of Augusta College students. At the present time all rising juniors are required to take an examination designed to measure their ability in reading and writing.	
9. <i>Senior Comprehensive Examination:</i> During the senior year, degree candidates may be required by their department to take a comprehensive examination. A department may use a nationally administered examination and require submission of the scores to the Registrar.	
10. <i>Physical Education Requirements:</i> Each student is required to take 6 quarters of Physical Education during his Freshman and Sophomore years. One hour of academic credit will be given towards the Baccalaureate Degree for each of the six required courses of Physical Education and one hour of academic credit will be given towards the Associate Degree program for each of the three required courses of Physical Education.	
(1) Students who present a medical statement from their family physician may satisfy their Physical Education requirement by taking three two-hour courses in Sports Appreciation.	

- (2) Students *must* take at least one course in each of the following areas: Physical and Mental Health; Aquatics.
- (3) The maximum number of Physical Education hours that can be earned and counted in the grade point average is six.
- (4) The Physical Education Department may waive the Physical Education requirement for (1) a student who is 25 years of age or older at the time he registers for his first quarter at Augusta College, (2) veterans of military service based on a minimum of one year of continuous active duty, (3) part-time students carrying less than 12 hours and who are not required to take Physical Education during that particular quarter, but would be required to take one quarter of Physical Education for each quarter during which they were full-time students

ADVANCED PLACEMENT, EXEMPTIONS, AND WAIVER OF REQUIREMENTS

Augusta College provides for the advanced placement of superior freshman through a variety of national and local examinations. In all cases, advanced placement carries with it exemption from college requirements; in most cases, advanced placement also carries the award of advanced standing credit. The College allows a maximum of 45 quarter hours of advanced standing credit by examination.

In evaluating candidates for advanced placement or advanced standing credit the College may consider the high school record, scores on the College Entrance Examination Board's Aptitude Examinations, Achievement Tests, or Advanced Placement Program, or tests prepared and administered by academic departments within the College.

A student who seeks advanced placement or advanced standing credit under these provisions is urged to consult the Director of Admissions and the Chairman of the Department(s) concerned at the time of his application for admission to the College. He *must* consult the Director of Admissions and the Chairman of the Department(s) concerned before his initial enrollment in the College.

1. A student with a score of 600 or more on the CEEB's Scholastic Aptitude Test (Verbal) and on the English Achievement Examination registers for English 111, and, upon satisfactory completion of English 111, receives advanced standing credit for English 101 with the qualitative grade earned in English 111, and is exempt from English 102.

A student with a score of 600 or more on the CEEB's Scholastic Aptitude Test (Verbal) and on the English Achievement Examination who also offers the CEEB's Advanced Placement Examination in English registers for Humanities 221 and receives advanced standing credit for English 101 and 102 with the following qualitative grade:

Advanced Placement Grade 3—English 101-102 grade C; Advanced Placement Grade 4—English 101-102 grade B; Advanced Placement Grade 5—English 101-102 grade A.

2. Freshman students who have a combined score of 1200 or better on the CEEB-SATM and the CEEB Mathematics Level I Achievement Test and who have a 3.00 high school average may receive advanced standing credit in mathematics by choosing one of the options listed below. The appropriate degree program should determine a student's option.

- (1) Register for Mat 102 and, if the first grade earned for the course is C or better, receive 5 hours advanced standing credit for Mat 101.
- (2) Register for Mat 201 and, if the first grade earned for the course is C or better, receive 5 hours advanced standing credit for Mat 111.
- (3) Register for Mat 122 and, if the first grade earned for the course is C or better, receive 5 hours advanced standing credit for Mat 121.

3. The entering freshman who offers the CEEB (PBP 28) "Advanced Placement Examination: European History Sections I & II" is granted credit for History 115 and 116 with the following qualitative grades: APG (Advanced Placement Grade) 3—C; APG 4—B; APG 5—A.

4. The entering freshman who offers the CEEB (PBP 27) "Advanced Placement Examination: American History Sections I & II" is granted credit for History 211 and 212 with the following qualitative grades: APG 3—C; APG 4—B; APG 5—A.

5. All students receiving a degree from Augusta College are required to present credits in (1) the History of the United States, and (2) the History of Georgia unless such credits have been waived through the passing of exemption examinations in both areas. The History Department administers such tests and certifies whether this requirement has been met. For the history courses that fulfill the *Georgia Legislative requirements* see the Department (His) offerings.

6. All students receiving a degree from Augusta College are required to present credits in political science that adequately treat with (1) the Constitution of the United States, and/or (2) the Constitution of Georgia unless such credits have been waived through the passing of exemption examinations in both areas. The History Department administers such tests and certifies whether this requirement has been met. For the courses in political science that fulfill the *Georgia Legislative requirements* see the courses listed under Political Science (Pol).

Exemption tests in all four areas (1) United States History, (2) Georgia History, (3) Constitution of the United States, (4) Constitution of Georgia, are given twice a year at the following times

and for the category of students indicated: (a) during the Fall Quarter registration period for *freshmen* and *transfer* students, and (b) during the Winter Quarter registration period for *transfer students who are seniors* anticipating graduation in June or August. *The Augusta College student who fails to pass the exemption examination must present credits in courses dealing with the area or areas failed. Exemption by examination in any one or all four areas does not satisfy Augusta College core curriculum, major, minor, or elective requirements.*

7. Certain course credit requirements may be waived in the area of Secretarial Science through the passing of proficiency tests in typewriting and/or shorthand. The Department of Business Administration conducts the tests and certifies to the competence level.

8. Students with advanced training in Chemistry may exempt certain Chemistry courses by special examinations. A satisfactory grade on such examinations will enable the student to receive credit hours compatible with the exam upon satisfactory completion of the next higher numbered Chemistry course. Those students who think they may be prepared for these examinations are urged to contact the Head of the Chemistry Department for further information.

SUBSTITUTION OF COURSES

Each student is responsible for following the requirements of his selected program as specified in the catalog and in accordance with the regulations of the catalog. Variations in course requirements are permitted only upon petition and the written approval of the Dean of the College. Variations from course requirements are approved only under exceptional circumstances and only in cases where courses of the same academic value and type can be substituted.

APPLICATION FOR DEGREE

A degree candidate must file with the Registrar an application for Graduation *no later than the mid-term date of the quarter preceding the final quarter of course work.*

Degrees are conferred formally at the close of the spring quarter (in June) and at the close of the summer quarter (in August). Students who complete all requirements for the degree by the end of the fall or winter quarters receive degrees in June. Unless excused in writing by the President or the Dean, degree candidates must attend graduation exercises.

A degree candidate is subject to degree requirements in effect at the time of his admission. However, a student who is not enrolled for two or more consecutive years must satisfy requirements in effect at the time of his re-admission.

A student returning to Augusta College, after having transferred to

another institution for two or more quarters, must comply with degree requirements in effect at time of re-admission.

GRADUATION WITH HONORS

A degree with honors will be awarded to those candidates selected by the faculty who are in the upper ten per cent of the graduating class. It is required that students in this category complete at least half of their courses in residence, and that their over-all average be no less than 3.50. In addition, their average for work done in residence must be at least 3.50.

ADDITIONAL BACCALAUREATE DEGREE

A student holding a baccalaureate degree from an accredited college or university who wishes to work for another degree must complete the minimum residence requirements of the College (45 quarter hours of course work in courses numbered 300 or above with an average grade of "C" or better). In addition he must complete the exact requirements of major courses, allied fields or minor, mathematics, and foreign languages. Special advisement from the office of the Dean should be sought by such persons.



UNDERGRADUATE PROGRAMS

UNDERGRADUATE CURRICULA

For graduation with the degree of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Bachelor of Business Administration or Associate Degree in Nursing, the requirements listed in the following pages must be completed in accordance with the academic regulations stated in this catalog.

A student is advised to consult with his academic advisor regularly on choice of major, selection of courses, and other academic matters.

For graduation a minimum of 180 quarter hours must be earned exclusive of credit earned in Physical Education 100-200 courses.

Candidates for all degrees, after completion of the required minimum number of quarter hours and attainment of grades according to Augusta College and University System of Georgia regulations, are recommended by the faculty for degrees in their particular areas.

SELECTION OF MAJORS AND MINORS

The Associate in Arts degree is offered with majors in Criminal Justice, Nursing and Secretarial Science.

Majors may be selected in art, elementary education, English, French, history, music, political science, psychology, Spanish, and sociology for the Bachelor of Arts degree.

Majors may be selected in biology, chemistry, mathematics, medical technology and physics for the Bachelor of Science degree. A major in special education leads to the Bachelor of Science in Education degree.

The Bachelor of Business Administration degree requires basic study in the arts and sciences and courses in accounting, economics, finance, management and related areas.

Minor concentration may be chosen from anthropology, art, biology, business administration, chemistry, economics, education, English, French, general studies, history, mathematics, music, physics, political science, psychology, sociology, social service administration or Spanish. Once the minor field is selected the student should seek academic advisement for this concentration within the department in which he is minoring.

Teacher certification other than elementary education and special education may be obtained by minoring in education and majoring in a selected field of study.

ASSOCIATE DEGREES

Criminal Justice

This Degree is designed to produce graduates who can enter the criminal justice profession with some understanding of the legal,

sociological, and psychological complexities of law enforcement. Consequently the program is liberal arts oriented, but contains a sufficient number of specialized courses to give the student a sense of professionalism and to qualify the graduate as a beginning professional. The curriculum consists of 90 quarter hours of which 25 are in specialized courses. A 2.00 minimum grade point average is required for graduation.

The Degree is appropriate for those already in law enforcement and for those planning to enter. For information or financial assistance under the Omnibus Crime Bill see "Careers in Law Enforcement" page 72.

Candidates for admission to the program should discuss their plans and goals with the Director of Extended Services.

<i>Curriculum</i>		<i>Quarter Hours</i>
Eng 101-102	College Composition I & II	10
Mat 101 or 102	Freshman Mathematics I or II.....	
or	or	
Mat 121	Finite Mathematics I	5
Lab Sci 101-102	Biology, Chemistry or Physical Science	10
His 211 or 212	American History I or II.....	5
Pol 101	American Government	5
Psy 101	Principles of Psychology.....	5
Soc 101	Introductory Sociology.....	5
Pol 103	Introduction to Criminal Justice....	5
Pol 303	Selected Problems in Criminal Justice	5
Soc 202	Contemporary Social Problems.....	5
Soc 204	Society, Law, and the Criminal.....	5
Soc 331	Criminology	5
Psy 423	Abnormal Psychology	5
Social Science Electives		10
General Elective		5
PEd	Physical Education and Health.....	6
TOTAL		96

Nursing

The primary aim of the Nursing Education Department is to educate the individual as a person, as a citizen and as a worker. The nursing curriculum seeks to prepare for technical nursing in such a manner that graduates will be eligible to take the registered nurse licensing examination and be able to give patient-centered nursing care as beginning general duty nurses.

Upon successful completion of the program the graduates are awarded the Associate in Arts Degree.

The program is approved by the Board of Examiners of Nurses for Georgia and is also accredited by the National League for Nursing.

In addition to the requirements for admission to the College, the applicant must submit a medical record completed by a licensed physician.

A personal interview with a designated representative of the nursing faculty to discuss enrollment plans and career goals is requested.

Chemistry (and/or special permission from the Department Chairman) is a prerequisite for admission to the program.

A minimum grade of 2.0 must be maintained in each of the courses in the Nursing sequence and in Biology 111 and 112. A grade of "F" in either Biology 111 or 112 will automatically preclude the student from registering for the subsequent quarter as a Nursing Major.

In addition, nursing majors are required to maintain a minimum overall GPA of 1.9 in order to continue into the sophomore year. A 2.0 minimum is required for graduation.

<i>Freshman and Sophomore Years</i>			<i>Quarter Hours</i>
Bio 111	Anatomy and Physiology I		5
Psy 311	Developmental Psychology		5
Nur 101	Nursing I		6
Bio 112	Anatomy and Physiology II		5
Eng 101	College Composition I		5
Nur 102	Nursing II		8
Bio 311	Introductory Microbiology		5
Psy 312	Developmental Psychology		5
Nur 103	Nursing III		8
PEd	Physical Education and Health		2
TOTAL			54

<i>Sophomore Year</i>			<i>Quarter Hours</i>
Soc 101	Introductory Sociology		5
Psy 455	Mental Hygiene		5
Electives	.....		10
Eng 102	College Composition II		5
Nur 201	Nursing IV		8
Nur 202	Nursing V		8
Nur 203	Nursing VI		8
Nur 204	Nursing VII		1
PEd	Physical Education and Health		1
TOTAL			51

Secretarial Science

This program provides a background in general education and it gives the student a basis of knowledge of the underlying principles and philosophy of business. The curriculum is designed to train personnel for business who have a high degree of competency in the skills necessary for a successful career. Emphasis is placed upon the secretarial skills with a specialization in office administration. The curriculum consists of 93 quarter hours and a 2.00 minimum grade point average is required for graduation.

<i>Freshman Year</i>		<i>Quarter Hours</i>
Eng 101-102	College Composition	10
Ecn 101	Principles of Economics	5
SSc 101-102-103	Typewriting	6
SSc 331-332-333	Shorthand	9
SSc 325	Secretarial Practice	5
Bus 301	Business Law,	
Bus 363	Principles of Management, or	
SSc 335	Medical Terminology	5
Eng 301	Technical and Business Writing	5
PEd	Physical Education and Health	2
	TOTAL	47

<i>Sophomore Year</i>		
His 211 or 212	American History I or II	5
Pol 101	American Government	5
Mat 121	Finite Mathematics or	
Mat 205	Mathematics of Finance	5
SSc 435	Business Machines	5
Bus 211	Principles of Accounting I	5
SSc 425	Supervised Office Experience	5
SSc 431	Advanced Dictation and	
	Transcription	5
Soc 101	Introduction to Sociology or	
Psy 101	Principles of Psychology	5
Ped	Physical Education and Health	1
	Elective	5
	TOTAL	46

BACHELOR OF ARTS

For the Bachelor of Arts degree with a major in art, elementary education, English, French, history, music, psychology, Spanish or sociology, the following programs will be followed except where noted. See page 65 for majors in elementary education.

A minimum of 45 quarter hours must be taken with no grade below

a "C" in a major field of study. A minimum of 25 quarter hours is required for a minor field of study in most sequences.

Major in Art

The Art Department provides instruction in the visual arts with a choice of concentrations: Studio Work, Aesthetic Development, or Art Teaching. The program is offered in sequence from Fundamentals of Design through a variety of media leading to the student selected individual creative and experimental projects or research. The aims of the program include preparation for a career in the arts, for advanced work and graduate study, as well as meeting the requirements for teacher certification.

Requirements for a major in Art. In addition to the general requirements of the College, the Art Department requires a major to complete with a grade of C or better a minimum of 45 hours beyond the freshman level.

The usual sequence of courses for students desiring to concentrate in the area of Studio Work or Aesthetic Development begins with Prerequisites Art 121, 122, 123, then Studio Art 221, 222, 223, and Art History 211, 212, 213 plus a minimum of 15 credits selected from 300 and 400 level courses according to the emphasis desired.

Major students are expected to participate and exhibit work in the annual student show plus a required senior exhibit of a significant collection of recent work to qualify for the degree.

Requirements for a minor in Art. Students are required to complete with a grade of C or better a minimum of 20 hours selected from the following courses: Art 221, 222, 223, 211, 212, 213. Prerequisites Art 121, 122, 123.

Requirements for a minor in Education. Prospective teachers should consult the Education Department about requirements for teacher certification.

Students who elect the teaching concentration must complete with a grade of C or better the following courses: Edu 204, Edu 302 or Edu 304, Edu 335 and 337 or Edu 336, Edu 456, Edu 436, Edu 491 and Art 351.

Major in Elementary Education

See the section under Teacher Education on page 64 for a detailed description of all of the undergraduate programs in education.

Major in English

The Department of English provides instruction for all students through the English composition sequence (English 101-102) and through the humanities sequence (Humanities 221-222-223). For students electing a major or minor in English the department offers a variety of upperdivision courses in composition, language, and literature.

Requirements for a major in English. In addition to the College's general requirements for graduation, the department requires a major to complete with a grade of C or better a minimum of six courses in the 300 series, and a minimum of three courses in the 400 series, unless otherwise advised by the department. Proficiency in a foreign language through the 202 level is required.

Requirements for a minor in English. The department requires minors to complete with a grade of C or better a minimum of five courses in the 300 and 400 series. The department recommends a distribution of four courses in the 300 series and one course in the 400 series.

Admission to a major or minor in English. A student who plans to major or minor in English must file application at the departmental office during the quarter in which he is enrolled in Humanities 223.

The department cannot assume responsibility for certifying to the College satisfactory completion of the major or minor requirements for a student who has not been formally accepted.

Major in History

The Department of History, Political Science and Philosophy offers several major and minor programs.¹ All courses submitted for credit in major or minor concentrations must carry a grade of C or better. Selection of courses and the sequence in which they are taken is to be made in consultation with the designated academic advisors in the Department.

Requirements for a major: Completion of the core program for a Bachelor of Arts listed under Graduation Requirements; acceptable credits in History 115, 116, 211, and 212, or their equivalents; forty-five (45) hours from the offerings on the 300 and 400 level. Concentration of more than three (3) courses in any field of history on the upper division level is discouraged.

In addition to meeting the minimum language requirements (Area IV, Core Program), the student contemplating study beyond the baccalaureate is encouraged to complete through the intermediate level in a second foreign language.

Requirements for a History major with a minor in Secondary Education: (Prospective teacher): Completion of the core program for a Bachelor of Arts listed on page 33; completion of the non-history required courses for the Junior and Senior years; completion of forty-eight (48) hours from the Departmental offerings on the 300 or 400 level. Work in History is to be distributed in the following manner: Two (2) courses from each of the following four fields: (1) Europe, (2) Far East, (3) Latin America, (4) United States, plus the History of Georgia, and His 456.

¹See p. 54 for major and minor requirements in Political Science, and p. 56 for minor in Philosophy.

Requirements for the standard minor in History: Twenty-five hours chosen from the 300 and 400 level offerings. Concentration of more than two (2) courses in any given field of History is discouraged.

Requirements for a History minor with a major in Elementary Education: Prerequisites His 115, 116; His 211, 212; and fifteen hours to be selected from His 337, 382, 392, 418, 477, or 479.

Requirements for a Social Science minor with a major in Elementary Education: Prerequisites His 115, 116; His 211, 212; Phy 101; Psy 341 or 373, and one five (5) hour course in Sociology numbered above 199.

Major in Modern Languages (French and Spanish)

The Department of Modern Languages provides instruction in three languages—French, German, and Spanish—at the elementary and intermediate levels. The Department also offers advanced courses in language and literature leading to the Bachelor of Arts degree with a major or minor concentration in French or Spanish.

Requirements for a major in French

In addition to the College's general graduation requirements, the Department requires a major to complete with a grade of C or higher a minimum of 45 quarter hours of French above the intermediate level (Fr 202). The usual sequence of courses will include: French 211, 301, 302, 305 and five courses chosen from the 400 series. The latter group may include Fr 491-492-493—Study Abroad with the University System of Georgia Study Abroad Program. French 456 and 481 are graduation requirements for French majors who are minoring in Secondary Education (Prospective Teacher program).

Requirements for a minor in French

Students wishing to minor in French are required to complete with a grade of C or higher a minimum of twenty-five quarter hours of work beyond the intermediate level (Fr 202). The usual sequence of courses will include: Fr 211, 301, 302, 305, and one course chosen from the 400 series (excepting Fr 456, which carries only 3 quarter hours of credit). Study Abroad (Fr 491-492-493) may be substituted for any three of the required courses.

Requirements for a major in Spanish

In addition to the College's general graduation requirements, the Department requires a major to complete with a grade of C or higher a minimum of 45 quarter hours of Spanish above the intermediate level (Sp 202). The usual sequence of courses will include: Sp 211, 301, 302, 305 and five additional courses chosen from the 300 and/or 400 series. The latter group may include Sp 491-492-493—Study Abroad with the University System of Georgia Study Abroad Program. Spanish 456 and 481 are graduation requirements for Spanish majors

who are minoring in Secondary Education (Prospective Teacher program).

Requirements for a minor in Spanish

Students wishing to minor in Spanish are required to complete with a grade of C or higher a minimum of twenty-five quarter hours of work beyond the intermediate level (Sp 202). The usual sequence of courses will include: Sp 211, 301, 302, 305, and one course chosen from the 300 and/or 400 series (excepting Sp 456, which carries only 3 quarter hours of credit). Study Abroad (Sp 491-492-493) may be substituted for three of the required courses.

Major in Music

The purpose of the Department of Fine Arts is to provide the necessary training and experience in preparation for advanced studies or professional careers in the performing and teaching arts. Opportunities for self-expression for those not electing to follow a Fine Arts major are available. In addition, the department provides the leadership to help in the formation of standards of taste, appreciation, and insights into art and music through the Humanities program.

The department has established the Schola Cantorum open to Music students for study of choral and other repertoire through performance. The department also provides creative and performing opportunities for all qualified students by sponsoring student activity groups such as the Augusta College Choir, Augusta College Theatre, and the Augusta College Art Club.

For the selection of areas of concentration in any phase of the Fine Arts program, students are advised to consult with the chairman of the department.

In addition to the course requirements, the following departmental requirements must also be completed for the Bachelor of Arts degree in music:

1. Attendance at departmental required recitals for full credit in applied music.
2. Recital performance during the Junior year of 1/2 a standard recital program, and during the Senior year of a full recital program.
3. A basic knowledge of piano as demonstrated by a proficiency examination covering the following material:
 - a. vocalists and non-keyboard instrumentalists:
Major and minor scales, 2 hands, 2 octaves, 8th notes, with metronome setting of 120 to the quarter note.
Bach 2 pt. Invention. First movement of any selected Sonatina by Clementi, Kuhlau, Mozart, Haydn, or equal

b. organists:

equal to completion of Applied Music 203 (piano)

NOTE: Preparatory Piano should be included in the candidate's curriculum until such examination is passed.

4. Entering Freshmen and Transfer students will be given a Placement Audition for credit in their Applied Major. Applied music (non-credit) may be taken without audition.
5. Satisfactory completion of Music 111-112-113, 211-212-213, 313-314-315, 321, 322, 323, 414, 415, 421, 422, 423; and 12 quarter hours of applied music (not including any preparatory course). Courses in Applied Music may be repeated for credit.
6. Participation in Schola Cantorum, and/or other approved ensembles as recommended by department chairman or advisor.

<i>Freshman and Sophomore Years</i>		<i>Quarter Hours</i>
Eng 101-102	College Composition	10
Hum 221-222-223	Humanities	15
Mat 101-102 or	Freshman Mathematics I, II	
Mat 121-122	Finite Mathematics I, II	5-10
Science Option	Physics, Physical Science, Chemis- try, or Biology	10-15
His 211 or 212	American History I or II	5
Pol 101	American Government	5
Psy 101	Principles of Psychology	5
or		
Soc 101	Introductory Sociology	5
Mus 111-112-113	Elementary Theory	15
Mus 211-212-213	Intermediate Theory	15
Mus 101-102-103	Applied Music	3
Mus 201-202-203	Applied Music	3
	Ensemble	0
PEd	Physical Education and Health ...	6
TOTAL		102

Junior and Senior Years

Language Proficiency (through 202)		
	French, German, or Spanish	10-20
Mus 301-302-303	Applied Music	3
Mus 313-314-315	Advanced Theory	15
Mus 401-402-403	Applied Music	3
Mus 414-415	Form and Analysis	4
Mus 321-322-323	History of Music	6

Mus 421-422-423	Masterworks of Music	9
Minor Concentration		25
*Electives		0-10
Ensembles		0
TOTAL		76-86

Students selecting music as a minor concentration must complete Music 111-112-113, Music 321-322-323, Music 421-422-423, and 6 quarter hours of applied music.

Requirements for a minor in Art: Completion of four art courses (20 hours) from the 200 level or above offerings. At least half of these should be studio art. Prerequisite: Art 121, 122, 123.

Major in Political Science

A major and a minor in Political Science are both offered within the framework of the History, Political Science, and Philosophy Department. All courses submitted for credit in the major or minor must carry a grade of C or better. Political Science majors are encouraged, insofar as it is feasible, to have a minor in History, Sociology, or Philosophy. Selection of courses and the sequence in which they are taken should be made in consultation with the designated academic advisors in the Department.

The objectives of the Political Science program will be focused on the study of politics, governments, governmental systems, and the making of public policy. The B.A. degree is offered to better prepare the citizen to exercise political responsibilities, and to ground the student for subsequent functioning in the public political system. The major is also structured to prepare the student for post-graduate study in (a) political science, (b) professional schools of law, journalism, international relations, and public administration, and (c) for post-graduate work leading to specialized careers in research and teaching.

Requirements for a major: Completion of the core program for a Bachelor of Arts listed under Graduation Requirements; acceptable credits in Political Science 101, 201, and 202, or their equivalents, plus forty-five (45) additional hours from the 300 and 400 level courses.

Requirements for Political Science Majors with a Minor in Secondary Education (Prospective Teacher): See page 69.

*Music Education requirements may be met by using Elective and Minor concentration hours for appropriate Education, Methods, and Practice Teaching courses. 30-35 quarter hours must be spent in "Educational Sequence Courses" (see Teacher Education).

Requirements for a minor in Political Science: Pol. 101 or 201, and 202 plus twenty (20) hours chosen from Pol 301, 310, 311, 401, 402, 411, 431, 450.

Major in Psychology

Psychology is the scientific study of behavior and experience. The psychology department has a threefold function. First, to serve the general academic needs of all students at the college by making available a variety of elective courses and ancillary courses to other academic disciplines. Second, to transmit general psychological knowledge to those many students who may wish to major in psychology but who do not intend to become professional psychologists. Third, to give solid technical training to those undergraduate students who wish to go on to advanced professional degrees.

	<i>Quarter Hours</i>
<i>Freshman and Sophomore Years</i>	
Students will meet core curriculum requirements as outlined on page 38 in consultation with Department advisors.	
TOTAL	90

Junior and Senior Years

Select minimum of nine (9) upper division courses in Psychology in consultation with major adviser, including Psychology 405	45
Minor Concentration	25
Electives	20
TOTAL	90

Students selecting Psychology as a minor concentration are required to complete Psychology 101 and five (5) other courses in Psychology.

Major in Sociology

The major purposes of the sociology department are to orient students to the structure and functioning of the society in which they live; to develop further their appreciation of, and respect for, diverse groups within their culture and in other cultures; to stimulate constructive analysis of current trends in group activities; and to encourage further research in man's patterns of behavior.

A minimum grade of C is required in the introductory course for all students majoring or minoring in anthropology, sociology, or social service.

Freshman and Sophomore Years

*Quarter
Hours*

Students will meet core curriculum requirements as outlined on page 39 in consultation with Departmental advisors.

TOTAL	90
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Junior and Senior Years

Select minimum of nine advanced Sociology courses, including Soc. 422 & 434	45
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Minor Concentration	25
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Humanities 223	5
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Electives	15
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TOTAL	90
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Students selecting Sociology or Anthropology as a minor concentration are required to complete 101 and five (5) advanced courses.

The Sociology Department sponsors a minor concentration in Social Service Administration. This curriculum provides preparation for: students who will be employed in social service careers; students who will be enrolled in graduate schools of social work; those persons already employed in social service to improve their skills; and supplemental study for persons involved in related areas of ministry, law, nursing, psychology, social administration, corrections, public recreation programs, and health services administration.

Students selecting Social Service Administration as a minor concentration are required to complete SSA 111, Introduction to Social Service, and five other courses in Social Service Administration.

It is the responsibility of the student to initiate and maintain contact with his major advisor to insure supervision of the proper selection and sequence of courses.

Minor in Philosophy

A minor in Philosophy is offered within the framework of the History, Political Science, and Philosophy Department. All courses submitted for the minor must carry a grade of C or better. Philosophy minors are encouraged to complete Phy 101 during their freshman year. Selection of other courses and the sequence in which they are taken should be made in consultation with the designated academic advisor in the Department.

Minor in General Studies

The general studies minor consists of 30 hours of course work in a variety of disciplines, 10 hours of which must be taken in 300 or 400 level courses at Augusta College. Courses may not be chosen

from the student's major field and they may not be used to satisfy the Core Curriculum or physical education requirements. The student's advisor will approve the minor courses and sign the graduation form on which they are listed.

BACHELOR OF SCIENCE

For the Bachelor of Science degree in biology, chemistry, mathematics, or physics, the following programs will be followed.

Students are advised to consult with faculty advisers in these major areas for requirements for the B.S. degree.

A minimum of 45 quarter hours of advanced study must be taken in the major field of study with no grade in the major below a "C". Normally a minimum of 25 quarter hours must be taken in the minor field of study.

Major in Biology

The Department of Biological Sciences offers courses leading to a major or minor in Biology. A major in this department will prepare a student for graduate work in several areas of Biology and for study toward the M.D. degree. A minor in chemistry is strongly recommended for pre-medical and pre-dental students and those who aspire to undertake graduate studies in Biology or related fields. A student wishing to prepare for secondary school teaching in Biology should take a minor in Teacher Education and include Psy 101 in the program.

In addition to the college core requirements the Biology major should take Math 111 and 201 or 221; Chemistry 101, 102, and 103; Physics 201, 202, and 203; 10 hours of a language and the following Biology courses: 101, and 102; 15 credits chosen from Biology 201, 202, 221, and 222; Biology 301, 302, 304, 498, and 15 additional credits elected by the student from courses numbered 300 or higher and approved by the departmental advisor. A student working toward the B.S. degree in Biology should take the Biology courses in the sequence mentioned. The student may elect to concentrate in Zoology or Botany, or split his interests.

A minor in Biology consists of 25 credit hours above the freshman level and must be arranged in consultation with the student's major department and the Biology Department in order to correlate with the major interest.

Students majoring or minoring in Biology should see a Biology faculty member as early in their career as possible.

Major in Chemistry

Professional Major in Chemistry

Required Chemistry courses are: CHM 101, 102, 103, 281, 341, 342, 344 or 442, 372, 373, 374, 421, 441, and 481. In some cases,

changes may be approved by the Head of the Department. Majors should see their advisors each quarter for counselling to ensure correct schedules.

Non-Professional Major in Chemistry

Required Chemistry courses are: CHM 101, 102, 103, 281, 341, 342, 344, 442, 372, 373, 374, and five quarter hours from any of the 400 level Chemistry courses. In some cases, changes may be approved by the Head of the Department. Majors should see their advisors each quarter for counselling to ensure correct schedules. This program is designed primarily for pre-medical and pre-dental students, and for students desiring to do graduate work in biochemistry.

Minor in Chemistry

Required Chemistry courses are: CHM 101, 102, 103, 281, 341, 342, 371. In some cases, changes may be approved by the Head of the Department. Chemistry minors must have their proposed course-work approved by the Head of the Chemistry Department as soon as the minor is declared.

Major in Mathematics

Students selecting Mathematics as their field of concentration must take a minimum of 58 quarter hours of Mathematics including the Analytic Geometry and Calculus sequence, Mathematics 201-202-203-204 and Mathematics 241, Symbolic Logic and Set Theory. The remaining courses must have course numbers above 300. No mathematics course may count on their major program if the grade is less than "C". Students are expected to have a competency in a foreign language equivalent to the intermediate courses offered at the College.

		<i>Quarter Hours</i>
<i>Freshman and Sophomore Years</i>		
Eng 101-102	College Composition	10
Hum 221-222-223	Humanities	15
Mat 111	Precalculus Mathematics	5
Mat 201-202		
203-204	Calculus and Analytic Geometry....	20
Mat 241	Symbolic Logic and Set Theory	3
Lab Sci Option	Physics, Chemistry, Biology (Three courses in one field)	15-18
Pol 101	American Government	5
His 211 or 212	American History I-II	5
Soc Sci Option	Anthropology, Economics, History, Psychology, Political Science, Sociology, Philosophy	10
PEd	Physical Education and Health	6
TOTAL		94-97

<i>Junior and Senior Years</i>		<i>Quarter Hours</i>
Mat 302	Differential Equations	5
Mat 321-322	Modern Abstract Algebra I-II	10
Select approved courses from the following:		19-20
Mat 331	Theory of Numbers	
Mat 341	History of Mathematics	
Mat 381	Linear Algebra I	
Mat 382	Linear Algebra II	
Mat 401	Mathematical Analysis I	
Mat 402	Mathematical Analysis II	
Mat 403	Mathematical Analysis III	
Mat 451	Complex Variables	
Mat 481	General Topology	
Mat 495	Selected Topics	
Mat 499	Undergraduate Research	
Language Option	French, German, or Russian (Mat 235 may be substituted for 5 hrs.)	10-20
Lab Sci Option	Physics, Chemistry, Biology (Two courses in one field)	10-12
Minor Concentration	.....	25
Electives	.....	15- 5
TOTAL		94-97

A minor in mathematics will consist of 25 credit hours and must include Mat 201 and Mat 202. The remaining courses should be arranged in consultation with the student's major department and the chairman of the mathematics department.

Major in Medical Technology

A student entering this program should express his interest as early as possible so his advisor can help him arrange his curriculum. The first three years will be in sciences and liberal arts, the fourth year, taken at an approved hospital, will involve clinical laboratory subjects.

During the first three years the student will meet the core requirements of the college as described elsewhere in this catalog. In addition the following is required: Chemistry 101, 102, 103, 281, 341 and 342; Mathematics 111; Physics 201 and 202 or 203; Biology 111, 112, 311, 301, 302 and 315; and ten hours of a language. A total of 135 hours are required before acceptance into the fourth year's program. Any deviation from this curriculum must be approved by the chairman of the Biology department and the Academic Dean.

The fourth year [12 months] will involve practical and didactic work in Biochemistry, Hematology, Bacteriology, Urinalysis, Blood Banking, Parasitology, Histological Technique, Serology and related subjects depending upon the particular hospital which the student attends.

Monthly stipends and board and room allowance are available during the fourth year. For details of this program the student should consult with the chairman of the Biology Department.

Major in Physics

The physics and earth sciences department has a threefold function. First, to provide for the non-technical students courses in physical science, physical geography and introductory physics which will satisfy the college core science requirements. Second, to provide the more mathematically-oriented physics courses for students in the pre-engineering program, or for students majoring in mathematics and chemistry. Third, to provide a strong physics program for those students who desire to become professional physicists or teachers of physics.

A minor in Physics will consist of 27 credit hours. A grade of C or better must be earned in each of the courses. The chairman of the physics department must approve the selection of physics courses.

		<i>Quarter Hours</i>
<i>Freshman and Sophomore Years</i>		
Eng 101-102	College Composition	10
Mat 111	Precalculus Mathematics	5
Mat 201-202	Calculus & Analytic Geometry I-II	10
203-204	Calculus & Analytic Geometry III-IV	10
Chm 101-102	General Chemistry I and II	10
Pcs 211	Mechanics	6
Pcs 212	Electricity	6
Pcs 213	Heat, Sound, and Light	6
Drw 113-114	Engineering Graphics I and II	4
Hum 221-222-223	Humanities	15
His 211 or 212	American History I or II	5
Pol 101	American Government I	5
*Electives	.....	10
PEd	.....	6
TOTAL		108

		<i>Quarter Hours</i>
<i>Junior and Senior Years</i>		
Pcs 301-302	Electronics I and II	10
Pcs 304	Advanced Optics	5

*Electives are to be selected in order to satisfy Area III of the Core Curriculum.

Pcs 310	Numerical Solutions to Physics Problems	3
Pcs 321-322-323	Classical Mechanics I-II-III	9
Pcs 401-402-403	Electricity & Magnetism I-II-III....	9
Pcs 441-442-443		
444-445	Modern Physics	17
Mat 302	Differential Equations	5
Phy 101	Introduction to Philosophy	5
Electives	.....	12
Electives	(Not to include Pcs, Mat)	15
		<hr/>
	TOTAL	90

BACHELOR OF BUSINESS ADMINISTRATION

The objectives of the Business Administration Department are to fulfill its obligations to the students through emphasis on general culture, effective citizenship, and professional competence. The Department seeks to provide the foundation for competent, responsible participation in business, the professions, and government; to develop an attitude of scientific inquiry, the ability to solve problems intelligently, and an awareness of cultural and economic changes as they impinge on modern society; to develop skills in making business decisions; and to encourage further intellectual inquiry.

Students who pursue the Bachelor of Business Administration degree may follow an accounting, economics, finance, management, or executive secretarial emphasis. Since this is a diversified program, no minor concentration is required. The major concentration is made up of 60 quarter hours, the Junior Core Curriculum and 25 hours in an emphasis described below.

The accounting emphasis, intertwined with the liberal program of the first three academic years, provides a student with the preparation for both industrial and public accounting. The economics emphasis provides an understanding of our economy and its relation to the world situation with applied and theoretical economic study. The finance emphasis prepares one for positions in banking and other financial institutions and also in the management of business finance and investments. The management emphasis is designed to acquaint the student with the executive's role in decision making. Emphasis is given to problem-solving and case studies along with the application of business research.

The executive secretarial emphasis is offered to students wishing to prepare themselves specifically for executive secretarial or other highly responsible personal secretarial positions. A compact sequence of basic secretarial skills courses is also offered to students with non-business majors. A nation-wide demand exists for college graduates with a broad liberal arts background plus basic secretarial skills.

A minor concentration in Business Administration is available to students pursuing the A.B. or B.S. degree.

A program of teacher education is also offered to students seeking certification for business education in the secondary schools of Georgia.

<i>Freshman and Sophomore Years</i>		<i>Quarter Hours</i>
Bus 211-212	Principles of Accounting	10
Eng 101-102 or 111	College Composition	10
Eng 301	Technical and Business Writing	5
Ecn 101-102	Principles of Economics	10
Ecn 103	Economic Problems	5
Ecn 201	Economic Development of the U. S. ...	5
His 211 or 212	American History I or II	5
Hum 221-222-223	Humanities	15
Mat 121-122	Finite Mathematics	10
Pol 101	American Government	5
Psy 101 or	Principles of Psychology or	
Soc 101	Introduction to Sociology	5
Select ten quarter hours in one of the following:		
	Biology, Chemistry, Physics or	
	Physical Science	10
PEd	Physical Education and Health	6
TOTAL		101

<i>Junior and Senior Years</i>		<i>Quarter Hours</i>
*Electives		20
Junior Core Curriculum		
Ecn 305	Money and Banking	5
Ecn 311	Labor and Industrial Relations	5
Ecn 315	Business Finance	5
Ecn 322	Managerial Economics	5
Bus 301	Business Law I	5
Bus 353	Principles of Marketing	5
Bus 363	Principles of Management	5
Mat 221	Elementary Statistics	5
		40

*The Student in the Executive Secretarial concentration may have as few as 10 elective hours.

Major emphasis (Select one of the following groups)

Accounting:

Bus 311-312 Accounting Theory 10

Select any three of the following:

Bus 411 Cost Accounting
 Bus 421 Advanced Accounting I
 Bus 422 Advanced Accounting II
 Bus 451 Federal Income Taxation
 Bus 471 Auditing
 Bus 481 Governmental and
 Institutional Accounting 15

25

Economics:

Ecn 451-452 Economic Theory 10

Select any three of the following:

Ecn 425 Theory of Money and Financial
 Institutions
 Ecn 431 International Economics
 Ecn 440 Government and Business
 Ecn 461 Evolution of Economic Thought
 Ecn 471 Public Finance
 Ecn 495 Selected Topics in Contemporary
 Economic Theory and Policy 15

25

Finance:

Ecn 421 Investments and Market Analysis .. 5

Ecn 425 Theory of Money and Financial
 Institutions 5

Ecn 471 Public Finance 5

Select any two of the following:

Ecn 431 International Economics
 Ecn 452 Economic Theory II
 Bus 464 Case Problems in Management
 Bus 311 Accounting Theory I 10

25

Management:

Bus 424 Production Management 5

Bus 434 Personnel Administration 5

Bus 464 Case Problems in Management 5

Select any two of the following:

Bus 410 Marketing Management
 Bus 411 Cost Accounting
 Ecn 421 Investments and Market Analysis 10
 Ecn 451 Economic Theory I 10

25

Executive Secretarial:

*SSc 101-102-103	Typewriting	6
*SSc 331-332-333	Shorthand	9
SSc 325	Secretarial Practice	5
SSc 425	Supervised Office Experience	5
SSc 431	Advanced Dictation & Transcription	5
SSc 435	Business Machines	5
		<hr/> 35
	TOTAL	<hr/> 85

TEACHER EDUCATION

Teacher Education at the College is a college-wide responsibility and function. Although the Department of Education coordinates the total program, students will combine work in the Department of Education with work in the various college departments depending upon their major and minor interests. All teacher education programs at the baccalaureate level at Augusta College are fully accredited by the National Council for the Accreditation of Teacher Education. The College is a member of the American Association of Colleges for Teacher Education.

The standard certificate for teaching in the State of Georgia is based on the Bachelor's degree including or supplemented by minimum professional requirements. This is referred to as the Teacher's Professional Four-year (T-4) Certificate.

To qualify for this credential one must have completed an approved four-year curriculum designed for a specific teaching field and be recommended by the college in which the training is completed. Students who desire to teach should begin to plan in the freshman year to complete a specific program to satisfy all requirements.

Teacher education programs at Augusta College consist of a carefully planned sequence of studies in general education, a specific teaching field area, and professional education. A student should seek the advice of his assigned adviser in planning and completing his individual program. The student is additionally encouraged to participate in the activities of the club of his major field and the Student Georgia Association of Educators at Augusta College.

Planned teacher education programs at Augusta College leading to the bachelor's degree are available in the following areas: Art, Music, Elementary Education, Special Education, and the Secondary teaching fields of biology, business, chemistry, English, French,

*NOTE: SSc 101, 102, 103, 331 may be waived as course requirements upon taking an examination demonstrating mastery of these skills. In such event, the elective hours will be increased by the number of hours of course requirements waived.

mathematics, music, history, physics, political science, and Spanish.

The Bachelor of Arts degree is awarded in art, elementary education, and music.

The Bachelor of Arts degree is awarded in the secondary teaching fields of English, French, history (Social Studies), political science, and Spanish. The Bachelor of Science degree is awarded in biology, chemistry, mathematics, and physics. The Bachelor of Business Administration degree is awarded those planning to teach business courses. A major in special education leads to the Bachelor of Science in Education degree.

Students who wish to qualify for the Teacher's Professional Four-year (T-4) Certificate must submit a formal application for admission to the Teacher Education Program during their sophomore year. The Department of Education determines the fitness of the applicant for entering the program. Students who have been accepted for the program must submit an application for student teaching during the Fall Quarter of their junior year.

Students are expected to complete a "September Experience" of two weeks in a public school during late August or early September prior to Student Teaching. This experience is designed to familiarize the student with teaching problems associated with the opening of school.

Graduating seniors are required to take the National Teacher Examinations—Commons and Teaching-Field tests—during the latter part of their senior year and to have results filed with Augusta College. This examination is required for employment in some school systems and is usually considered for admission to Graduate School. It is also required for In-Service Teacher Grants-in-aid by the Georgia State Department of Education.

French and Spanish majors who minor in Secondary Education are required to take the Modern Language Association Proficiency Examination in addition to the National Teachers Examination.

Renewal and Reinstatement of Teaching Certificates

Persons holding Georgia teaching certificates may renew or reinstate these certificates, whenever necessary, by earning course credit at Augusta College to fulfill State Department of Education Certification requirements. Persons desiring to do this must obtain approval of each course taken from the Certification Division of the State Department of Education.

Bachelor of Arts Major in Elementary Education

The elementary education major leads to a professional certificate

to teach in the elementary schools from grades one through seven. In addition to the elementary major, it includes a minor in a subject field such as art, biology, chemistry, English, French, history, mathematics, music, physics, Spanish or social science. A General Studies minor is also available to those students whose academic program and professional objectives indicate that a study of a variety of disciplines would be more appropriate than development of a second competency. The minor provides a supplementary teaching-field concentration designed to enhance the proficiency and teaching skill of the elementary teacher.

<i>Freshman and Sophomore Years</i>	(College Core)	<i>Quarter Hours</i>
Humanities		20
Science and Mathematics		20
Social Science		20
Additional supporting courses to include:		36
*French, German, or Spanish (10 hrs.)		
Foundations of Education		
Fundamentals of Speech		
Humanities 223		
Physical Education	(6 hrs.)	
Electives		
TOTAL		96
<i>Junior and Senior Years</i>		<i>Quarter Hours</i>
Teaching field courses to include a minor concentration outside of education		45
Professional Education to include courses dealing with each of the following:		
Psychological Foundations, Curriculum and Methods, Elementary Student Teaching and Senior Seminar		30
Supporting courses and electives		15
TOTAL		186

Bachelor Degree in Teaching Fields

Secondary Education (7-12)

Approved programs designed to prepare teachers for grades 7-12 lead to the Bachelor of Arts, Bachelor of Science, or Bachelor of Business Administration degree with majors in specific teaching areas and a minor in secondary education. Students completing these pro-

*Prior language experiences may be used to satisfy this requirement.

grams should plan to meet departmental requirements by working closely throughout their program with both the major department and the Education Department. Completion of one of the planned programs—with the recommendation of the Chairman of the Education Department—qualifies the student for a teacher's professional four-year certificate in Georgia.

Beginning with the Sophomore year, students must work closely with the Education Department staff in meeting prospective teacher, departmental requirements.

Major Programs

See specific, approved prospective teacher programs as applicable in the various departments. Follow approved programs only for teacher certification.

Professional Education Sequence

The following courses constitute the professional education sequence in the approved programs and meet minor requirements in secondary education:

Edu 204 Foundations of Education (Area IV of Core)

Edu 304 Educational Psychology

Edu 337 High School Curriculum

Edu 456 Secondary Materials and Methods

Edu 436 Secondary Student Teaching

Edu 492 Secondary Seminar

Special methods of teaching in the major field must also be included as a part of the major or minor.

Major Courses

The following courses in the teaching field must be included in the degree program; consult your advisor:

Biology

Select 3 of the following: Bio 201, 202, 221 or 222

Bio 301, 302, 304, 456, and 498

Select 3 or 4 additional upper division biology courses.

Chm 101, 102, 103

Physics 201, 202, 203

Business (Option I)

Ecn 101, 102, 103, 201

Bus 211, 212, 301, 456

SSc 101, 102, 103, 325, 331, 332, 333, 425, 431, 435
Eng 301

Business (Option II)

Ecn 101, 102, 201, 305
Bus 211, 212, 301, 311, 312, 353, 363, 435, 456 and 441
or Mat 335
Eng 301
SSc 101, 102, 103, 435

Chemistry

Chm 101, 102, 103, 281, 341, 342, 344, 372, 373, 374,
442, 456, 495, and one additional 400 level Chm course.
Mat 201, 202, 203
Bio 101, 102
Physics 201, 202, 203

English

Eng 371, 372, 385, 309, 382,
Select four (4) additional 300 level and two (2)
additional 400 level English courses.

French

Fr 211, 301, 302, 305, 456, 481,
Select five (5) additional French courses from 400 series.

History

His 115, 116, 211, 212, 456, 479
Select ten (10) quarter hours from each of the following
areas: Europe, Far East, Latin America, United States.
Ecn 101
Ggy 101

Mathematics

Mat 111, 201, 202, 203, 204, 241, 302, 321, 322, 431, 456
Select fifteen (15) additional hours of upper division
mathematics courses.
Pcs 211, 212

Physics

Pcs 211, 212, 213, 301, 304, 321, 322, 441, 442, 443, 456
Mat 201, 202, 203, 204, 302

Chm 101, 102, 103
Bio 101

Political Science

Pol 101, 201, 202; 301 or 431; 310, 311, or 312; 401, 402,
or 403; 411; 450; 425 or 426.
Select fifteen (15) additional hours of 300 or 400 level Political
Science courses.
His 211, 212, 456.
Select fifteen (15) hours from Soc 101, Ecn 101, Ggy 101, Ant 101,
Phy 101.

Spanish

Sp 211, 301, 302, 305, 456, 481
Select five (5) additional Spanish courses from 300 and/or 400
series.

All Level Fields (1-12)

Completion of an all levels program qualifies one for teaching in
grades 1-12.

Art

Art 121, 122, 123, 221, 222, 223, 211, 212, 213, 351,
Art Electives 10-20 hrs.
Edu 204; 302 or 304; 336, 456, 436, 491

Music

Mus 101, 102, 103, 201, 202, 203, 111, 112, 113, 211,
212, 213, 301, 302, 303, 401, 402, 403, 461, 462,
371, 372, 373, 374, 375, 313, 314, 315, 321, 322,
323, 421, 422, 423; 352 or 456;
Edu 204; 302 or 304; 336, 456, 436; 491 or 492

Special Education

A major in Special Education leads to a Bachelor of Science in
Education Degree.

The special education major leads to a professional certificate to
teach the educable mentally retarded at all levels—kindergarten
through high school. In addition to work specifically pertaining to
mental retardation there are many supporting courses found in the
elementary curriculum. It is imperative that the teacher of the re-
tarded be very familiar with the child of average intellectual ability
as well as the mentally retarded child, in order that comparisons and
adaptations of methods be made.

Edu 204, 302, 304, 335, 343, 351, 404, 460, 461, 462, 437, 435, 491

Bio 203, 204

Art 351 or MUS 351

Select twenty (20) hours from: Edu 330, 352, 354, 422, 495,

Mat 425, PED 351, Art 351, Mus 351

Eng 381

Psy 423 or 455

PRE-PROFESSIONAL PROGRAMS

Students interested in furthering their education in professional schools or in graduate studies should obtain advice from the various major areas involved. Suggestions for obtaining such academic advising are made in the following descriptions of pre-professional areas and graduate work.

Pre-Engineering

A pre-engineering program, including most of the required courses for freshman and sophomores at colleges of engineering, is offered.

Pre-engineering students should take the following technical courses:

Chm 101-102	General Chemistry	10
Chm 103	Introduction to Analytical Chemistry	5
Drw 113-114-115	Engineering Graphics	6
Mat 111	Precalculus Mathematics	5
Mat 201-202	Calculus and Analytic Geometry I-II	10
203-204	Calculus & Analytic Geometry III-IV	10
Mat 302	Differential Equations	5
Pcs 211-212-213	Physics	18

Students consult their academic advisor in selecting electives. Students who plan to graduate within the Georgia University System elect courses to complete areas I and III of the system core.

Pre-Law

Faculty instructing in political science will advise students interested in studying law, providing information on pre-law training, law schools' admissions policies, examinations and other pertinent material.

The student may also be assigned an advisor in another subject-matter area, such as history or business administration, in which he has chosen to major in pursuing his pre-law program.

Pre-Medical

Because of Augusta College's proximity to the Medical College of

Georgia and a close working relationship with the Medical College, students can easily obtain advice from faculty and staff of the Medical College about admissions requirements, curricula and other matters.

Students are advised to contact first a member of the Biology Department or the Chemistry Department of Augusta College for preliminary advice on preparing for medical training.

Para-Medical Studies

For information and advising in nursing, medical technology, physical therapy and other para-medical areas, students should see a member of the Biology Department.

Pre-Pharmacy

Those students interested in or planning to study pharmacy are advised to obtain information from a member of the Biology Department.

Pre-Veterinary Medicine

Students interested in studying veterinary medicine are advised to consult with a member of the Biology Department who can advise on courses and credit requirements.

Graduate Schools

Those students who plan to continue study beyond the bachelor's degree should consult regularly with advisors in their major fields on requirements of various graduate schools and their programs.

Baccalaureate Degree in nursing

Augusta College cooperates with the Medical College of Georgia in the offering of the program in nursing which leads to the Bachelor of Science in Nursing degree. Students enroll for this program at the Medical College of Georgia. They may contact the Registrar at the Medical College of Georgia for application forms and general information.

Pre-Dental

Students seeking admission to the Dentistry Program at the Medical College of Georgia can obtain all preliminary work at Augusta College. Students should consult with the chairman of the Biology or Chemistry Departments for specific details of this program.

Dental Hygiene

Students interested in entering a Dental Hygiene Program at the Medical College can obtain their preliminary work at Augusta College. This includes completion of the Augusta College core curriculum. The chairman of the Biology or Chemistry Department can provide further information to students interested in this program.

Careers in Law Enforcement

Under provisions of the *Omnibus Crime Control and Safe Streets Act of 1968*, Augusta College has been authorized by the Department of Justice to encourage and financially assist persons who wish to continue careers in police administration, law enforcement, correction, rehabilitation, probation, and allied fields.

Several baccalaureate degrees and the Associate Degree in Criminal Justice, as well as many individual courses, are acceptable under this program.

Financial assistance is in the form of tuition grants to students already in law enforcement and in loans to students planning careers in law enforcement.

Those persons interested in this program should contact the Director of Extended Services.

Pre-Forestry and other Preliminary Programs

In general, all preliminary programs can be taken at Augusta College. This includes such programs as pre-forestry where the student completes the Augusta College core curriculum and then transfers to the particular school offering the major program of study.

Pre-Optometry Studies

The requirements for admission to the schools and colleges of optometry are not identical. Typically, the requirements include courses in English, mathematics, physics, chemistry, and biology or zoology. Some schools and colleges have varied requirements in psychology, the social sciences, literature, philosophy, and foreign languages.

The pre-optometry requirements represent a minimum of two academic years of study, all of which may be taken on this campus.

For specific information on optometry as a career, and for assistance in planning a course of study in pre-optometry, make inquiry at the Office of Admissions.

GRADUATE PROGRAMS

Augusta College offers advanced study in management, health services administration, elementary education and in special education stressing the educable mentally retarded. The degrees that are awarded are the Master of Business Administration and the Master of Education.

For admission to study in the Graduate Division the applicant should have completed requirements for a bachelor's degree in an accredited college, possess a grade point average of 2.5 on a 4.0 scale, and have a satisfactory score on the Graduate Record Examination, the National Teacher's Examination or the Admission Test for Graduate Schools of Business, whichever is appropriate. Application forms and additional information may be obtained from the Admissions Office. Letters of recommendation and transcripts will be submitted with the application forms.

Graduate courses are assigned numbers from 500 to 799. Courses in the 500 series, although designed for graduate students, are open to selected undergraduate seniors and are designed to prepare the student for further study. Courses in the 600 and 700 series are open only to graduate students. Courses with 700 numbers have courses in the 600 series as prerequisites. Graduate students may enroll in certain senior-level undergraduate courses bearing 400 numbers. However, a student may not include more than three courses on the 400 and/or 500 level in his program.

No more than ten credits may be transferred from another institution. The student must be registered in the college during the quarter in which he completes his requirements for graduation.

Each student is required to take a comprehensive examination. All work for the Master's degree, including transfer work, thesis and comprehensive examinations, must be completed within a six-year period.

An average of "B" must be maintained on all courses attempted in a degree program. Work with a mark of "U" may be repeated once if the advisor so recommends.

Upon admission to the Graduate Division each student will be assigned an advisor by his Department Chairman. Upon admission to candidacy, each student will be assigned an advisory committee by the Dean. This committee will ordinarily consist of the student's advisor, at least one other member of the graduate faculty from the department of specialization and at least one other member outside that department.

An application for admission to candidacy for a Master's degree should be submitted to the Dean of the Graduate Division not earlier than the completion of fifteen quarter hours of satisfactory graduate work, and not later than the first week of the final quarter in which the student is to be enrolled. To be admitted to candidacy a student must be classified as a regular graduate student, have acceptable

quality graduate work, and have the approval of his major department. Each department may have additional requirements. Admission to candidacy is determined by the Graduate Council.

MASTER OF BUSINESS ADMINISTRATION

The principal objectives of the Master of Business Administration degree are as follows:

1. To provide a modern, management-science-oriented program enabling the graduate to apply the more advanced techniques of decision-making now essential in the operation of businesses and other organizations.

2. To require that each candidate for the M.B.A. degree become well prepared in all of the functional areas of business and institutional administration.

3. To assure by careful control of admission and instructional standards that persons awarded the degree by Augusta College have achieved a high level of excellence.

4. To permit the fulfillment of appropriate roles in interinstitutional cooperation with the Medical College of Georgia with the establishment of a concentration in Health Services Administration.

Students entering the program with the Bachelor of Business Administration degree will be able to complete the Master of Business Administration degree with as few as 60 quarter hours. The program, however, is designed to accommodate students from other backgrounds and a series of prerequisite courses in the 500 sequence is offered to provide these students the necessary background.

These courses are as follows:

		<i>Quarter Hours</i>
Mat 500	Introduction to Quantitative	
	Techniques in Business	5
Ecn 501	Economic Theory	5
Bus 502	Financial Accounting for	
	Managerial Control	5
Bus 503	Financial Management and	
	the Banking System	5
Bus 504	Management and Marketing	5
Bus 505	Business Statistical Method	3
Bus 506	Business Uses of Electronic	
	Data Processing	2
Bus 507	Legal Environment of Business	3

The particular courses needed by an individual student would be determined in consultation with an advisor in the Department of Business Administration, and would be influenced by the student's previous experience.

The Management Concentration.

A group of eight core courses required of all students in the Management concentration of the program is designated by 600-sequence numbers, as follows:

		<i>Quarter Hours</i>
Ecn 601	Microeconomic Theory and Public Policy	5
Bus 602	Cost Accounting for Managerial Control	5
Bus 603	Managerial Finance	5
Bus 604	Marketing Problems	5
Bus 605	Business Planning and Data Analysis	5
Bus 606	Human Relations in Administration	5
Bus 707	Theory of Organization	5
Bus 708	Business Policy	5
TOTAL		40

In addition, each Management student is required to take two of the following three courses:

		<i>Quarter Hours</i>
Bus 709	Seminar in Quantitative Management	5
Ecn 710	Macroeconomic Theory and Public Policy	5
Ecn 711	Econometrics	5
(Total 15) Required		10

To complete the remaining requirements, the student in the Management concentration may elect any two of the following five courses or take 10 quarter hours of other graduate courses approved by the Department of Business Administration:

		<i>Quarter Hours</i>
Bus 712	Special Problems in Business*	5
Ecn 713	Special Problems in Economics*	5
Bus 714	International Business	5

*Certain substitutions may be required or permitted.

Ecn 715	Business Conditions Analysis	5
Bus 716	Corporate Applications of Accounting	5
	(Total 25) Required	10

The Health Services Administration Concentration.

An important objective of the M.B.A. program is the introduction of a Health Services Administration curriculum substantially as follows:

1. The core courses of 500 level are to be the same as for those pursuing the Management emphasis, representing a total of 33 quarter hours of courses, from which students who have completed acceptable undergraduate courses may be exempted.

2. The student in the Health Service Administration Concentration is required to take 30 hours of 600 and 700 level courses in Business Administration and Economics. These courses will be selected with the approval of an advisor.

3. In addition a minimum of 37 hours of Health Services Administration courses are required.

		<i>Quarter Hours</i>
500	Level Courses	33
600 and 700	Level Courses	30
Hsa 600	Medical Terminology	2
Hsa 661	Medico-legal Problems	2
Hsa 662	Hospital and Professional Accounting and Finance	5
Hsa 663	Medical Economics, Social Insurance, and Health Insurance..	3
Hsa 771	Health and Hospital Organization and Delivery	5
Hsa 772	Methods of Health Systems Research	2
Hsa 773	Methods Development in Health Services	3
Hsa 774	Health Management Systems	5
Hsa 775	Health Systems Analysis and Planning	5
Hsa 799	Clerkship—Practicum and Research (may be substituted for certain of the above courses on approval of the student's committee). A thesis is normally required.	5-15

MASTER OF EDUCATION

The Master of Education program is designed for the teacher whose objective is to become a master teacher possessing the competencies and attributes needed to carry out the responsibilities of the classroom and meet the obligations of effective professional performance. In completing degree requirements, the student will demonstrate the ability to plan, conduct and report on original and creative work related to the field of study. Primary emphasis is placed upon development of a background of professional training rather than experience in pure research.

Major programs may be chosen from Elementary Education and Special Education with each candidate for the Master of Education degree passing a comprehensive written examination in his area of specialization.

Major in Elementary Education

The Master of Education degree in Elementary Education requires the satisfactory completion of a minimum of 60 quarter hours of graduate work. A program must be planned with selection of courses being made in consultation with an advisor in Elementary Education. (Required courses marked by asterisks)

- | | |
|--|----------|
| I. Professional Sequence | 25 hours |
| *Advanced Reading Instruction | |
| *Advanced Educational Psychology | |
| Foundations of Education | |
| (Historical, philosophical and | |
| sociological) | |
| *Curriculum Development | |
| Methods of Education Research | |
| Statistical Methods in Education | |
| II. Professional Electives (5-15 hours) | |
| Exceptional Children and Youth | |
| Tests and Measurements | |
| Instructional Media | |
| Fundamentals of Guidance | |
| Problems of Teaching | |
| *Practicum in Elementary Education | |
| Seminar in Elementary Education | |
| III. Teaching Field (5-15 hours) | |
| Science in the Elementary School | |
| Social Studies in the Elementary School | |
| Teaching of Reading | |
| Diagnosis and Correction of Reading Problems | |

Materials and Methods in Reading
 Development of Language Communication
 Developing and Guiding Reading Programs
 Teaching Math in the Elementary School

*Applied Project in Elementary Education

- | | |
|---|----------|
| Total of areas II and III | 20 hours |
| IV. Academic Discipline (outside of Education) | 15 hours |
| V. Students must provide evidence of their eligibility for the T-4 certificate prior to admission to candidacy. | |

If this program constitutes a new teaching field, the candidate must also complete an additional 20 quarter hours in the elementary field.

Major in Special Education
 Stressing the
 Educable Mentally Retarded

The Master of Education degree in Special Education requires the satisfactory completion of a minimum of 60 quarter hours of graduate work.

The student who has an undergraduate degree with a major in special education (MR) has no deficiencies to make up. His course work is built around the following required graduate courses for all who obtain the masters in special education with a concentration in the area of educable mentally retarded. Courses directly related to the area are:

Biological and Cultural Aspects of Mental Retardation
 Development of Curricula for the Mentally Retarded
 Problems in Mental Retardation
 Readings and Research in Education of Mentally
 Retarded Children and Youth
 Graduate Practicum Experiences

Required courses indirectly related to the area and those which enhance it are:

Abnormal Psychology
 Educational Measurement
 Research Methodology
 Personality and Social Adjustment

The remainder of the student's work (three graduate courses) may be chosen to fit his or her needs.

These selected electives may well be in the realm of teaching methodology or an applied project in education.

Students must provide evidence of their eligibility for the T-4

certificate prior to admission to candidacy. If this program constitutes a new teaching field, the candidate must also take Education of Exceptional Children, Introduction to Mental Retardation, and all courses required for the T-4 certificate, if any.



COURSE DESCRIPTIONS

After each course title there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of credit hours the course carries. Where lecture, laboratory, and credit hours are not fixed, such as in "Selected Topics," the word "variable" or the letter "V" will be used instead of numbers.

ANTHROPOLOGY (ANT)

- 101 *INTRODUCTORY ANTHROPOLOGY* (5-0-5)
Prerequisite for all other anthropology courses except Anthropology 201. A survey of the physical and cultural development of man with emphasis placed on the fundamental concepts of physical and cultural anthropology. *Normally offered fall and spring quarters.*
- 201 *CULTURAL ANTHROPOLOGY* (5-0-5)
A study of the nature of culture. The contents of cultures: language, subsistence, economic structures, social grouping, government, art mythology, and religion in primitive societies. May also be taken for credit toward sociology major or minor. *Normally offered each quarter.*
- 314 *PHYSICAL ANTHROPOLOGY* (5-0-5)
A study of man as a cultural animal; the development of human societies from pre-literate beginning to the rise of complex social organizations. *Normally offered winter quarter.*
- 316 *INTRODUCTION TO ETHNOLOGY* (5-0-5)
An introduction to the basic principles of ethnology, the historical and analytical study of primitive cultures. A number of cultures will be surveyed to acquaint the student with a broad introduction to cultural variation in various tribal settings. *Normally offered fall quarter.*
- 401 *AMERICAN INDIAN* (5-0-5)
A survey course on the cultural development of the aboriginal population of North America from the time of the first European contacts to the present time. *Normally offered winter quarter.*
- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.

ART

- 121 *DESIGN I: ART FUNDAMENTALS* (5-V-5)
Basic introduction to art and design using a variety of simple media.
- 122 *DRAWING I: REPRESENTATION OF VISUAL FORM* (5-V-5)
Prerequisite: Art 121.
Basic drawing including perspective, shading, texture, figure drawing, indoor and outdoor sketching.
- 123 *PAINTING I: COLOR* (5-V-5)
Prerequisite: Art 122.
Basic color theory and practice.
- 211-212-213 *HISTORY OF ART I, II, III* (5-V-5)
Survey of World Art. Analysis of painting, sculpture, and architecture related to changing cultural backgrounds. Divided into periods: Pre-Historic through Gothic—Renaissance—Baroque through Modern.
- 221 *PAINTING II: COLOR AND COMPOSITION* (5-V-5)
Prerequisite: Art 123.
Continuation of Painting I with emphasis on picture structure and esthetic expression.
- 222 *PRINTMAKING I: DESIGN REPRODUCTION* (5-V-5)
Prerequisites: Art 121, 122, 123.
Designing, preparing and printing for reproduction using basic tools, materials and procedures of printmaking including wood-cut, dry-point, etching and engraving.
- 223 *CERAMICS AND SCULPTURE I: FORMING IN 3-D* (5-V-5)
Prerequisites: Art 121, 122, 123.
Basic modeling, firing and decorating of clay. Carving and construction of practical materials.
- 225 *PERCEPTION OF ART: IMAGES AND IDEAS* (5-V-5)
Prerequisite: Permission of Instructor.
An extension of fine arts studied in Humanities 221, 222, 223. Analysis of visual arts with emphasis on contemporary art expression.
- 321 *DRAWING II: FIGURE DRAWING* (5-V-5)
Prerequisite: Art 221.
Applied studies in animal and figure proportion, anatomy and articulation.

- 322 *PAINTING II: WATER COLOR* (5-V-5)
 Prerequisite: Art 221.
 Applied basic and experimental studies in opaque and transparent water color media.
- 323 *CERAMICS II: CLAY FORMING, FIRING, DECORATING* (5-V-5)
 Continuation of Ceramics and Sculpture I with emphasis on original design and expression.
- 351 *PUBLIC SCHOOL ART: K-12* (5-V-5)
 Applied concepts and projects adaptable for teaching all grade levels. (Does not fulfill core requirements in Humanities)
- 421-422-423 *MAJOR PROJECT* (5-V-5)
 Prerequisite: Permission of Instructor.
 Individual advanced work with direction and approval of instructor.
- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
 A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.
- 495 *SELECTED TOPICS I, II, III* (Variable)
 Prerequisite: Permission of Instructor.
 Reserved for special study of techniques and media not normally contained in course work.

BIOLOGY (BIO)

- 101 *BIOLOGY I* (4-2-5)
 The unifying concepts of the biotic world including molecular and cell biology, metabolism, genetics, evolution and environmental biology are integrated and presented in Biology 101 and 102. These two courses are designed to meet the science requirement for the non-biology major.
- 102 *BIOLOGY II* (4-2-5)
 Prerequisite: Biology 101.
 A continuation of Biology 101.
- 111 *ANATOMY AND PHYSIOLOGY I* (3-4-5)
 The structural and functional organization of the human organism. A systematic study is made of the skeletal, muscular, nervous and sensory organs.

- 112 *ANATOMY AND PHYSIOLOGY II* (3-4-5)
 Prerequisite: Biology 111.
 A continuation of Biology 111. The circulatory, respiratory, digestive, excretory, endocrine and reproductive systems and their interrelationships. Bio. 111 and 112 will not satisfy the science requirement of the core curriculum.
- 201 *INVERTEBRATE ZOOLOGY* (3-4-5)
 Prerequisite: Biology 102.
 An examination of the morphology, physiology and life histories of representative invertebrates.
- 202 *VERTEBRATE ZOOLOGY* (3-4-5)
 Prerequisite: Biology 102.
 The morphology, physiology, and life histories of representative vertebrates.
- 221 *PLANT MORPHOLOGY I* (3-4-5)
 Prerequisite: Biology 102.
 Vegetative organization and reproductive cycles of nonvascular plants. Phylogenetic interrelationships and evolutionary origins will be stressed.
- 222 *PLANT MORPHOLOGY II* (3-4-5)
 Prerequisite: Biology 102.
 Vegetative organization and reproductive cycles of vascular plants. Phylogenetic interrelationships and evolutionary origins will be stressed.
- 301 *CELL AND MOLECULAR BIOLOGY* (3-4-5)
 Prerequisites: Biology 102, Chemistry 102, and permission of Instructor.
 The biochemical composition, the microscopic and fine structure and the capabilities of cells.
- 302 *GENETICS AND DEVELOPMENT* (3-4-5)
 Prerequisite: Biology 301.
 The historical and contemporary aspects of mechanisms of inheritance. The genetic basis of biological variation and differentiation.
- 303 *EMBRYOLOGY* (3-4-5)
 Prerequisite: Biology 302.
 A descriptive and experimental approach to ontogeny with consideration of differentiation, morphogenesis and growth. Emphasis is placed upon chick and human development.
- 304 *ECOLOGY* (3-4-5)
 Prerequisites: Three of the following: Biology 201, 202, 221, 222, in addition to Chemistry 102.
 The relationship between groups of organisms and the environment. The structure and dynamics of populations and communities.

- 203 *ELEMENTARY HUMAN PHYSIOLOGY* (5-0-5)
 Prerequisite: Biology 102.
 An introduction to the functions of the human body systems. Designed for the non-Biology major. Lecture and demonstrations.
- 204 *HEREDITY AND EUGENICS* (5-0-5)
 Prerequisite: Biology 102.
 Basic principles of heredity as related to modern social problems. Designed for the non-Biology major. Lecture, demonstrations and library assignments.
- 311 *INTRODUCTORY MICROBIOLOGY* (3-4-5)
 Prerequisites: Biology 102 or 112.
 A study of microorganisms and their relationship to human welfare. This course is designed for the non-Biology major.
- 312 *COMPARATIVE VERTEBRATE ANATOMY* (3-4-5)
 Prerequisites: Biology 202.
 An examination of the gross morphology of various selected types of chordates. The development of a modern phylogenetic point of view.
- 314 *PRINCIPLES OF PHYSIOLOGY* (3-4-5)
 Prerequisites: Biology 102 and Chemistry 341.
 A comparative study of the physiological control mechanisms. The main themes include sensory reception, the mechanisms of homeostasis, transformation of energy by living systems and the physiology of effector systems.
- 315 *HISTOLOGY* (3-4-5)
 Prerequisite: Biology 102.
 A descriptive study of tissues composing various organs of the vertebrate body.
- 316 *HISTOLOGICAL TECHNIQUES* (0-6-3)
 Prerequisite: Biology 102.
 The sectioning, staining and preservation of biological materials.
- 321 *PLANT ANATOMY* (3-4-5)
 Prerequisite: Biology 102.
 A comparative study of the various basic cells and tissues of the vascular plant body, their origin, development and organization.
- 322 *PLANT SYSTEMATICS* (3-4-5)
 Prerequisites: Biology 321.
 A general survey of the principles of the taxonomy of vascular plants. Practice in the identification of local plants.
- 326 *PLANT PHYSIOLOGY* (3-4-5)
 Prerequisites: Biology 301 and 321.

Life processes of plants including water relations, synthesis and use of foods and growth phenomena.

402 *BIOLOGICAL METHODOLOGY* (0-6-3)

Theory and application of modern technics and instruments to Biological problems. For the advanced Biology student.

456 *TEACHING METHODS IN BIOLOGY*

Designed to acquaint the student with methods of teaching Biology in public schools. Consideration is given to material content as well as to the development of techniques for preparation of instructional material, with particular emphasis on laboratory exercises.

490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)

A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.

495 *SELECTED TOPICS* (Variable)

Course content variable to meet current needs of students. Special areas of Biology to be covered are not included in other courses.

498 *SEMINAR* (2-0-2)

Prerequisite: 30 hours of biological science.
Special topics in current advances in field of biological sciences. One two-hour period a week for presentation and discussion. Required of all senior biology majors.

499 *UNDERGRADUATE RESEARCH* (Variable)

Prerequisites: 30 hours of biological science and permission of the Department Chairman.
Assigned research problems. Hours by arrangement.

BUSINESS ADMINISTRATION (BUS)

211 *PRINCIPLES OF ACCOUNTING I* (5-0-5)

Fundamental principles of accounting as applied to a trading business conducted by a proprietorship. Debit and credit analysis; journalizing; posting; classification of accounts; columnar records; control accounts; adjusting and closing the books; preparation of work sheets and financial statements; elementary ratio analysis; inventories.

212 *PRINCIPLES OF ACCOUNTING II* (5-0-5)

Prerequisite: Bus. 211.
A thorough study of partnership and corporation accounting

- with elementary consideration of a manufacturing concern. Capital stock; bonds; funds and reserves; surplus and dividends.
- 301 *BUSINESS LAW I* (5-0-5)
Contracts, sales contracts, agency, negotiable instruments, bailments, common and public carriers. Designed to acquaint students with legal rights and liabilities in the ordinary course of business.
- 302 *BUSINESS LAW II* (5-0-5)
Prerequisite: Bus. 301.
Continuation of Business Law I. Partnership, corporations, real property, insurance, security devices, trusts and estates, bankruptcy, and governmental regulation of business.
- 311 *ACCOUNTING THEORY I* (5-0-5)
Prerequisite: Bus. 212.
Development of accounting theories. Accounting statements and their presentation, with emphasis on the valuation of assets and liabilities; analysis of balance sheet items including cash, receivables and inventories.
- 312 *ACCOUNTING THEORY II* (5-0-5)
Prerequisite: Bus. 311.
Continuation of Accounting Theory I. Valuation of fixed assets, depreciation, capital structure and investments, sources and applications of funds, and analysis of operations.
- 353 *PRINCIPLES OF MARKETING* (5-0-5)
Prerequisite: Economics 102.
Social and economic aspects of marketing; functions, trade and distribution channels, price theory and policies, advertising, and governmental regulation.
- 363 *PRINCIPLES OF MANAGEMENT* (5-0-5)
Prerequisite: Economics 102.
Management principles and techniques in organizing, staffing, directing, planning, and controlling a business enterprise.
- 410 *MARKETING MANAGEMENT* (5-0-5)
Prerequisites: Bus. 363, Bus. 353.
A study of the marketing aspects of management and related decision making, including sales management, cost and demand analysis, pricing, packaging, and forecasting. This course will utilize some case work to integrate the student's concept of marketing management with other areas of study.
- 411 *COST ACCOUNTING* (5-0-5)
Prerequisites: Bus. 212 and Economics 102.
Principles of manufacturing and distribution costs. Job order and process cost methods, standard costing, periodic summaries and interpretation.

- 421 *ADVANCED ACCOUNTING I* (5-0-5)
 Prerequisite: Bus. 312.
 Theory and problems relating to liquidation, insolvency, installment sales, consignments, consolidated statements, application of funds, and CPA problems.
- 422 *ADVANCED ACCOUNTING II* (5-0-5)
 Prerequisite: Bus. 421
 Theory and problems relating to fiduciaries, insurance and actuarial science, foreign branches and subsidiaries, consolidated statements, CPA questions and contemporary professional developments.
- 424 *PRODUCTION MANAGEMENT* (5-0-5)
 Prerequisites: Bus. 363 and Ecn. 322.
 The application of management functions to problems of production, with emphasis on standard methods, quality and quantity control, production systems and related areas.
- 434 *PERSONNEL ADMINISTRATION* (5-0-5)
 Prerequisites: Bus. 363 and Ecn. 311.
 The role of management as it relates to personnel. Theories, practices and concepts important to the executive or supervisor are examined.
- 441 *COMPUTING AND DATA PROCESSING* (5-0-5)
 Prerequisite: Permission of Instructor.
 Principles of data processing as applied to business administration and economics, fundamentals of programming and a study of available equipment and systems.
- 451 *FEDERAL INCOME TAXATION* (5-0-5)
 Prerequisite: Bus. 212.
 Federal tax accounting procedures; interpretation of federal and state income tax laws and the preparation of returns for individuals, partnerships, corporations, and fiduciaries.
- 456 *METHODS OF TEACHING SECONDARY BUSINESS* (3-0-3)
 Basic trends and methods in business education; objectives, curriculum planning, and specific methods in teaching shorthand, typewriting, bookkeeping, office practice, and basic business subjects. Includes a review of current literature.
- 464 *CASE PROBLEMS IN MANAGEMENT* (5-0-5)
 Prerequisites: Completion of Junior Core Curriculum or permission of instructor.
 Analysis of the practices and problems of the management of business concerns through the examination of case studies and performance of business research. Serves as a capstone course for the Senior student using materials drawn from Accounting, Finance, Marketing and Law.

- 471 *AUDITING* (5-0-5)
 Prerequisite: Bus 312.
 The application of principles to the problems of public accountancy with emphasis upon the preparation of auditor's working papers and auditor's certificates.
- 481 *GOVERNMENTAL AND INSTITUTIONAL ACCOUNTING* (5-0-5)
 Prerequisite: Bus. 312
 Accounting, budgeting, fiscal processes and financial records of local, state and federal governmental bodies and of private nonprofit institutions.
- 490 *SEMINAR IN THIRD WORLD CULTURES*
 A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.
- 499 *UNDERGRADUATE RESEARCH* (Variable)
 Prerequisite: Senior standing or permission of the Department Chairman.
 Independent research on an advanced topic selected by the student in consultation with the chairman of the Department of Business Administration. Techniques of business and economic research are emphasized.
- 502 *FINANCIAL ACCOUNTING FOR MANAGERIAL CONTROL* (5-0-5)
 Integrates managerial uses of accounting information with instruction in fundamental accounting concepts and methods.
 Emphasis is placed on concepts and methods used to resolve problems of income measurement, internal control, valuation of assets, capital investments and other accounting matters.
- 503 *FINANCIAL MANAGEMENT AND THE BANKING SYSTEM* (5-0-5)
 Prerequisite: Ecn 501 and Bus 502.
 Development of money, credit, financial markets, banking and monetary theory as related to internal financial decision-making of the firm. Business financial management and the economic environment.
- 504 *MANAGEMENT AND MARKETING* (5-0-5)
 Prerequisite: Ecn 501 and Bus 502.
 This course is designed to equip the graduate student with the necessary tools to pursue advanced instruction in management and marketing courses. The three important influences on development of management theory will be reviewed: Taylor's scientific management, Taylor's general principles of management, and the behavioral science approach.

The student will be introduced to the multifaceted field of marketing and an overview of its particular aspects, such as: customer behavior, marketing research, pricing, product planning, marketing channels, advertising, sales management, and physical distribution.

Meaningful cases in marketing and management will be analyzed, in order to furnish the student a penetrating view of problems common to both fields.

505 *BUSINESS STATISTICAL METHOD* (3-0-3)

Prerequisite: Math 500.

This course covers essential statistical methodology for presentation and interpretation of business economic data, as well as elementary research design. Topics include descriptive statistics, economic time series, sophisticated counting, inferential statistics, hypothesis testing, sampling techniques and Bayesian revision of probability estimates.

506 *BUSINESS USES OF ELECTRONIC DATA PROCESSING* (2-0-2)

Prerequisite: Math 500.

This course is designed to present fundamentals in the effective use of modern electronic computers in business. Topics covered include: computer arithmetic and storage, input/output equipment, basic computer instructions, and an introduction to problem-oriented language.

507 *LEGAL ENVIRONMENT OF BUSINESS* (3-0-3)

Elements of the law of contracts, sales, agency, negotiable instruments, bailments, common carriers, partnerships and corporations. Particular attention is given to the overall legal environment in which business operates.

602 *COST ACCOUNTING FOR MANAGERIAL CONTROL* (5-0-5)

Prerequisite: Business 502.

Includes cost assimilation, cost-control budgeting, break-even analysis and cost analysis, with the emphasis on the use of accounting data in decision making. The content of the course will be approached from the aspect of procedural and transactions analysis and accumulation of data relevant to the accounting cost cycle.

603 *MANAGERIAL FINANCE* (5-0-5)

Prerequisite: Business 503.

Theory of financial structure and dynamic cost of capital. Dividend policy and growth models. Utilization of money and capital markets. Financing business combinations. Advanced theory of business financial management.

604 *MARKETING PROBLEMS* (5-0-5)

Prerequisite: Business 504 and 505.

This course involves the study of the broad aspects of product planning and the choice of channels of distribution. It stresses the application of systematic methods to the solution of marketing problems. Achievement of the course objectives is attained through the use of text materials, outside readings, and analysis of business cases.

605 *BUSINESS PLANNING AND DATA ANALYSIS* (5-0-5)

Prerequisite: Business 505.

To provide examination in depth of the stochastic process in model design for business decision making. Selected density and frequency functions and other statistical techniques needed in business planning will be used.

606 *HUMAN RELATIONS IN ADMINISTRATION* (5-0-5)

Prerequisite: Business 504.

This course is a study of important concepts that underlie the behavior of the average individual within the formal and informal organizational environment. Drawing from case materials and significant literature, the course represents the nexus between theory and practice. In addition to introducing the student to past and contemporary writings emphasizing the behavioral-science approach to management, this course seeks to develop his adeptness in creating and administering an organization that can reconcile the needs of its individual members with the overall objectives of the company.

707 *THEORY OF ORGANIZATION* (5-0-5)

Prerequisite: Business 606.

This course identifies and analyzes the various management schools of the past and present and synthesizes apparently conflicting theories into a pragmatic philosophy of management. Particular emphasis is placed upon organization theory.

The structures of business and governmental organizations are discussed and critically reviewed. Various concepts germane to an understanding of organization theory are studied, including: line-and-staff relationships, centralization and decentralization, delegation, organization of top management, committees, organization charts, dynamics of organizational structure, non-profit organizations.

708 *BUSINESS POLICY* (5-0-5)

Prerequisite: Business 707.

A capstone course which uses and integrates the student's knowledge of the various functional areas of business. The course is conducted on a seminar basis and may incorporate computer simulation of business problems.

709 *SEMINAR IN QUANTITATIVE MANAGEMENT* (5-0-5)

Prerequisite: Business 605.

The objective of this course is to explore in depth the various quantitative techniques which are being used in the more progressively managed corporations. Emphasis will be placed upon design of control systems, feedback, and simulation, as well as the total information-system concept.

712 *SPECIAL PROBLEMS IN BUSINESS* (5-0-5)

Prerequisite: Permission

In this course the professor will design a special program of instruction and research in business administration to satisfy the academic needs of the student.

714 *INTERNATIONAL BUSINESS* (5-0-5)

Prerequisite: Permission

An examination of international economic policies and their effects upon international business, with intensive coverage of the economic environment in which the multinational firm operates. Problems of financial administration of international business, with case work on U. S. and foreign companies.

716 *CORPORATE APPLICATIONS OF ACCOUNTING* (5-0-5)

Prerequisites: Business 602 and 603.

Includes accounting management, specialized cost accounting problems, accounting systems, contents of financial statements and reports, professional accounting requirements, accounting for price-level changes, concepts in federal taxation and other current accounting applications.

CHEMISTRY (CHM)

Chemistry 105 and 245 will satisfy the college requirements for ten hours of science.

Students with advanced training in Chemistry may exempt certain Chemistry courses by special examinations. A satisfactory grade on such examinations will enable the student to receive credit hours compatible with the exam upon satisfactory completion of the next higher numbered Chemistry course. Those students who think they may be prepared for these examinations are urged to contact the Head of the Chemistry Department for further information.

101 *GENERAL CHEMISTRY I* (4-3-5)

Prerequisite: College entrance.

A study of basic chemical principles, theories, and laws. The course includes the study of gas laws, atomic structure, and colligative properties of solutions.

102 *GENERAL CHEMISTRY II* (4-3-5)

Prerequisite: Chm 101.

- A continuation of Chm 101 and includes the study of chemical bonds, molecular orbitals, equilibria, etc.
- 103 *INTRODUCTORY ANALYTICAL CHEMISTRY* (3-6-5)
 Prerequisite: Chm. 102.
 A continuation of Chm. 102 and includes ionic equilibria, pH, buffers, solubility products, and hydrolysis. The laboratory includes separation and identification principles and practices for common cations as well as introductory quantitative analysis. A non-compulsory problem session one day per week is normally scheduled.
- 105 *BASIC CHEMISTRY (FOR NON-SCIENCE MAJORS AND MINORS)* (4-3-5)
 Prerequisite: College entrance.
 A general survey of the principles of chemistry with less mathematical rigor than in the courses above. Many of the topics of Chm 101 and 102 will be covered with emphasis on practice rather than on theory.
- 195 *CHEMICAL TECHNIQUES/TOPICS* (Variable)
 Prerequisite: Permission of the Instructor.
 A study of basic chemical techniques and/or topics of interest to freshmen. May be repeated for credit.
- 245 *BASIC ORGANIC CHEMISTRY AND BIOCHEMISTRY (FOR NON-SCIENCE MAJORS AND MINORS)* (4-2-5)
 Prerequisite: Chm. 101 or 105.
 Fundamental elements of organic chemistry and biochemistry, emphasizing biochemical changes taking place in life processes.
- 281 *QUANTITATIVE INORGANIC ANALYSIS* (3-8-6)
 Prerequisite: Chm. 103.
 The theories, principles, and practices of volumetric, gravimetric, and elementary instrumental analysis.
- 295 *CHEMICAL TECHNIQUES/TOPICS* (Variable)
 Prerequisite: Permission of the Instructor.
 A study of intermediate chemical techniques and/or topics of interest to sophomores. May be repeated for credit.
- 341 *ORGANIC CHEMISTRY I* (4-3-5)
 Prerequisite: Chm. 102.
 A systematic study of the composition, nomenclature, preparations, and reactions of compounds of carbon. Reaction mechanisms will be introduced.
- 342 *ORGANIC CHEMISTRY II* (4-3-5)
 Prerequisite: Chm. 341.
 A continuation of Chm. 341.
- 344 *ORGANIC PREPARATIONS* (0-9-3)
 Prerequisite: Chm. 342.

Laboratory preparations which are longer and more involved than in Chm. 341 and 342.

- 371 *GENERAL PHYSICAL CHEMISTRY* (5-0-5)
Prerequisite: Chm. 281, Chm. 342, Mat. 201.
An introduction to thermodynamics, kinetics, atomic and molecular structure, and related topics. NOT A SUBSTITUTE FOR CHM. 372.
- 372 *PHYSICAL CHEMISTRY I* (4-3-5)
Prerequisites: Chm. 281, Chm. 342, Mat. 204, Pcs. 212, Pcs. 213.
The first part of a three-quarter course which includes the study of physiochemical systems, thermodynamics, phase equilibria, chemical equilibria, kinetic theory, kinetics, electrochemistry, atomic and molecular structures, nuclear chemistry, photochemistry, and chemical statistics.
- 373 *PHYSICAL CHEMISTRY II* (4-3-5)
Prerequisite: Chm. 372.
A continuation of Chm. 372.
- 374 *PHYSICAL CHEMISTRY III* (4-3-5)
Prerequisite: Chm. 373.
A continuation of Chm. 373.
- 395 *CHEMICAL TECHNIQUES/TOPICS* (Variable)
Prerequisite: Permission of the Instructor.
A study of advanced chemical techniques and/or topics of interest to advanced students. May be repeated for credit.
- 421 *INORGANIC CHEMISTRY* (5-0-5)
Prerequisite: Permission of Instructor.
An introduction to the concepts and chemical systems of inorganic chemistry, including the periodic table, atomic structure, bonding, isomerism, and coordination compounds.
- 441 *ORGANIC QUALITATIVE ANALYSIS* (2-9-5)
Prerequisite: Chm. 281 and Chm. 342.
The identification of organic compounds.
- 442 *ORGANIC CHEMISTRY III* (3-0-3)
Prerequisite: Chm. 342.
A continuation of Chm. 342.
- 461 *POLYMER CHEMISTRY* (Variable)
Prerequisite: Permission of the Instructor.
A study of kinetics of polymerization processes, polymer stereochemistry, methods of molecular weight determination, and physical properties of polymers.
- 481 *INSTRUMENTAL ANALYSIS* (2-8-5)
Prerequisite: Chm. 373 concurrently or permission of Instructor.

The theory and application of modern optical and electrical instruments in the processes of analytical, physical, and organic chemistry.

490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)

A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.

495 *SELECTED TOPICS* (Variable)

Prerequisite: Permission of Instructor

Modern concepts in special areas of chemistry. May be repeated for credit.

499 *UNDERGRADUATE RESEARCH* (Variable)

Prerequisite: Permission of Department Chairman.

Modern chemical research. A minimum of three hours work per week for each quarter hour credit. May be repeated for credit.

CRIMINAL JUSTICE (CJ)

Descriptions of courses developed specifically for this degree—Pol 103, 303, Soc 203—can be found along with the other course descriptions of the Political Science and Sociology Departments.

DRAMA (DRA)

225 *INTRODUCTION TO THEATRICAL ARTS* (5-0-5)

Prerequisite: Permission of Instructor

A survey of the theatrical practice and techniques with an emphasis on traditional and modern theatre.

321 *THE ELEMENTS OF ACTING* (5-0-5)

Prerequisite: Speech 301 or permission of Instructor.

Fundamentals of acting, including pantomime and improvisations. Participation in Augusta College Theatre productions when required by Instructor.

DRAWING, ENGINEERING (DRW)

- 113 *ENGINEERING GRAPHICS I* (0-6-2)
Topics of study include lettering; the use of instruments; geometric construction; orthographic projection; emphasis on descriptive geometry concepts as applied to the solution of problems involving orthographic projection of solids, auxiliary views, and points, lines and planes.
- 114 *ENGINEERING GRAPHICS II* (0-6-2)
Prerequisite: Drawing 113.
Topics of study include the solution of problems involving points, lines, and planes by use of the revolution method; intersection of surfaces; development of surfaces; warped surfaces. Practical applications are emphasized.
- 115 *ENGINEERING GRAPHICS III* (0-6-2)
Prerequisite: Drawing 114.
Topics of study include sections and conventions; dimensioning; pictorial representation; detail sketches; shop processes; assembly drawings from detail sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes, ink tracing on cloth, graphical calculus.

ECONOMICS (ECN)

- 101 *PRINCIPLES OF ECONOMICS I* (5-0-5)
This introductory course explains the nature of the economic problem which any society must solve. Then the way in which a mixed enterprise economy solves this problem is examined. Topics covered include supply and demand, income and employment, money and banking, and fiscal policy.
- 102 *PRINCIPLES OF ECONOMICS II* (5-0-5)
Prerequisite: Economics 101.
This course is a continuation of Economics 101. It is largely concerned with explaining the equilibrium position of the firm in product and factor markets.
- 103 *ECONOMIC PROBLEMS* (5-0-5)
Prerequisite: Economics 102.
Basic economic principles applied to problems of the monetary system, interest, price movements, time-series analysis, economic development, monopoly, agriculture, labor, and international trade.

- 201 *ECONOMIC DEVELOPMENT OF THE UNITED STATES* (5-0-5)
 Prerequisite: Economics 101.
 Traces development of economic institutions and policies, especially since 1860; deals with agriculture, manufacturing, commerce, transportation, money and banking, tariffs and the repercussions of periods of prosperity and depression.
- 305 *MONEY AND BANKING* (5-0-5)
 Prerequisite: Economics 101.
 The nature and functions of money; evolution of the American banking system, the commercial banking system, the Federal Reserve system and monetary policy.
- 311 *LABOR AND INDUSTRIAL RELATIONS* (5-0-5)
 Prerequisite: Economics 102.
 Structure and philosophy of unionism and collective bargaining, labor legislation, labor market, wages, hours, unemployment, and current problems and developments in labor.
- 315 *BUSINESS FINANCE* (5-0-5)
 Prerequisites: Economics 102 and Bus. 212.
 Structure of the corporate form of enterprise. Problems of organization, capitalization, financial administration, recapitalization, growth, and reorganization.
- 322 *MANAGERIAL ECONOMICS* (5-0-5)
 Prerequisites: Economics 102; Bus. 212; Math. 221.
 The economics of managerial decision. Short and long run planning, organization, control analyses of accounting and statistical data incorporated with pertinent economic theory.
- 421 *INVESTMENTS AND MARKET ANALYSIS* (5-0-5)
 Prerequisite: Economics 315.
 Selection and management of portfolios of individual and institutional investors. Procedures in buying and selling securities; security market operations and regulations.
- 425 *THEORY OF MONEY AND FINANCIAL INSTITUTIONS* (5-0-5)
 Prerequisite: Economics 305.
 Evaluation of current monetary theory and policy; central banking problems; flow-of-funds analysis of the financial system and its institutions and functional components.
- 431 *INTERNATIONAL ECONOMICS* (5-0-5)
 Prerequisite: Economics 305.
 The theory of international trade. The balance of payments, exchange rates, monetary problems, capital exchange and foreign trade policy.
- 440 *GOVERNMENT AND BUSINESS* (5-0-5)
 Prerequisite: Ecn. 102 or permission of Instructor.

An analysis of the economics and law of government regulation of business. While the primary emphasis is upon the economic aspects of federal antitrust administration, the effects of state and local regulatory activities are also explored.

451 *ECONOMIC THEORY I* (5-0-5)

Prerequisite: Economics 102.

Microeconomics. Theoretical analysis pertaining to production, value, distribution, pricing in competition and monopoly.

452 *ECONOMIC THEORY II* (5-0-5)

Prerequisite: Economics 305.

Macroeconomics. Study of aggregative economic analysis. Income determination and measurement and analysis of national income level and fluctuations in economic activity.

461 *EVOLUTION OF ECONOMIC THOUGHT* (5-0-5)

Prerequisite: Economics 201.

Study of the development of economic ideas from the mercantilists to twentieth century economists. Emphasis on classical and neo-classical tradition.

471 *PUBLIC FINANCE* (5-0-5)

Prerequisite: Economics 305.

Public expenditures and revenues, taxation, public debt and fiscal policy are studied in relation to economic stability and growth.

490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)

A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.

495 *SELECTED TOPICS IN CONTEMPORARY ECONOMIC THEORY AND POLICY* (Variable or 5-0-5)

Prerequisite: Completion of Junior Core Curriculum or permission of Instructor.

The application of economic theory to public policy issues. Topics covered will normally include: monopoly and competition, monetary and employment policy, regional economic development, agricultural economics, labor problems, or other selected subjects of current interest.

501 *ECONOMIC THEORY* (5-0-5)

This course is designed to cover the subject matter of introductory economics and selected topics of intermediate micro and macro theory.

601 *MICROECONOMIC THEORY AND PUBLIC POLICY* (5-0-5)

Prerequisite: Economics 501.

The methodology of economics and the application of economic

theory to the problems of the business firm. Contemporary theory of consumer behavior, equilibrium of the firm in product and factor markets under conditions of pure competition, monopolistic competition, oligopoly, and monopoly. The implications of the economic and legal problems posed by business concentration.

710 *MACROECONOMIC THEORY AND PUBLIC POLICY* (5-0-5)

Prerequisites: Economics 601 and Business 605.
Keynesian and Post-Keynesian employment theory. Economic growth and fluctuations. The problem and techniques of economic stabilization.

711 *ECONOMETRICS* (5-0-5)

Prerequisites: Economics 601 and Business 605.
Estimation of parameters for single-equation econometric models; tests of hypotheses and confidence regions for regression analysis; mathematical formulation and empirical testing of economic models.

713 *SPECIAL PROBLEMS IN ECONOMICS* (5-0-5)

Prerequisite: Permission.
In this course the professor will design a special program of instruction and research in economics to satisfy the academic needs of the student.

715 *BUSINESS CONDITIONS ANALYSIS* (5-0-5)

Prerequisite: Permission.
Comparison of methods and objectives of national product, flow-of-funds, input-output, and balance of payments accounting systems. Social accounting and business-projection methods are considered in the context of economic planning and economic forecasting.

EDUCATION (EDU)

204 *FOUNDATIONS OF EDUCATION* (5-0-5)

An introduction to public school teaching, including the study of duties and responsibilities of teachers, state public school programs, development of the American school, and philosophies of education. A prerequisite course for upper division teacher education work.

302 *HUMAN DEVELOPMENT IN THE EDUCATIVE PROCESS* (5-0-5)

A study of the individual from birth to adulthood with reference to maturation of learning and behavior, mental hygiene and problems of adjustment. The student will participate in

- approved community activity, working with and observing children.
- 304 *EDUCATIONAL PSYCHOLOGY* (4-2-5)
Application of psychology to the teaching-learning situation. Special emphasis on theories of learning, motivation, measurements, personality development, and individual difference.
- 330 *EARLY ELEMENTARY EDUCATION* (4-2-5)
Prerequisite: Education 304.
A study of the curricula needs of children of the early elementary school with special emphasis upon the kindergarten. A study is made of techniques and materials appropriate for use with children in the designated age groups.
- 333 *CHILD GUIDANCE* (5-0-5)
Prerequisite: Education 330 or permission of Instructor.
The principles and techniques for guidance of young children. Designed to acquaint teachers with the nature of guidance and its application at the early elementary education level.
- 335 *ELEMENTARY SCHOOL CURRICULUM* (2-0-2)
Prerequisite: Education 304.
Determining curriculum content and planning instructional programs in the elementary school.
- 337 *THE AMERICAN HIGH SCHOOL CURRICULUM* (4-2-5)
Prerequisite: Education 304.
Determining curriculum content and planning instructional programs in the secondary school based on pupil needs and system requirements.
- 343 *PARENT EDUCATION* (5-0-5)
Working philosophy for parent education; skills in procedure and techniques for working with parents. Opportunity for observation and participation with parent groups, parent conferences, and home visitations.
- 352 *TEACHING LANGUAGE ARTS* (2-2-3)
Prerequisite: Education 304.
Concerned with the procedures involved in the development of listening, speaking, and writing skills of children. Stresses effective use of language in oral written communication. *To be scheduled concurrently with Education 335.*
- 353 *TEACHING ELEMENTARY MATHEMATICS AND SCIENCE* (2-2-3)
Prerequisite: Education 304.
Considers objectives, content, materials, methods of instruction, problem solving and computation, adapting instruction to individual needs, and evaluation, plus experimentation in science.

- 354 *TEACHING ELEMENTARY SOCIAL STUDIES* (2-0-2)
 Consideration of objectives, content, and procedures with emphasis on unit teaching. Deals with human relationships, social problems, process of investigation, and problem-solving skills. *To be scheduled concurrently with Education 353.*
- 404 *EDUCATIONAL MEASUREMENT* (5-0-5)
 Prerequisite: Education 304
 Construction; use; and interpretation of teacher-made and standardized tests.
- 435-436 *STUDENT TEACHING* (0-30-12)
 Prerequisite: Education 335 or 456.
 Prospective teachers are placed in selected schools for an entire quarter, during which time they are supervised in actual teaching in their chosen teaching field.
- 437 *PRACTICUM WITH EDUCABLE MENTALLY RETARDED* (0-10-5)
 Orientation, Observation, and Teaching with EMR pupils.
- 451 *EDUCATION WORKSHOP FOR ELEMENTARY TEACHERS* (10-0-10)
 A problems course in curriculum and methods designed for in-service teachers. Teachers having satisfactorily completed other professional requirements for certification and having at least one year of full-time teaching experience may register for this experience in lieu of student teaching.
- 452 *EDUCATION WORKSHOP FOR HIGH SCHOOL TEACHERS* (10-0-10)
 A problems course in curriculum and methods designed for in-service teachers. Teachers having satisfactorily completed other professional requirements for certification and having at least one year of full-time teaching experience may register for this experience in lieu of student teaching.
- 456 *SECONDARY SCHOOL MATERIALS AND METHODS* (2-2-3)
 Prerequisite: Education 337.
 Review and study of the basic methods of instruction; criteria of selection and utilization of instructional materials; integration of methods and media.
- 460 *EDUCATION OF EXCEPTIONAL CHILDREN* (3-4-5)
 A survey course which deals with the general problems involved in the education of exceptional children.
- 461 *INTRODUCTION TO MENTAL RETARDATION* (3-4-5)
 Prerequisite: Education 460.
 A study of historical treatment of MR as well as etiology and characteristics of the MR; methods of diagnosing and working with MR pupils.

- 462 *CURRICULUM AND TEACHING OF EDUCABLE MENTALLY RETARDED* (3-4-5)
Prerequisite: Education 460-461.
A course designed to give background in curriculum and development and approaches used in teaching EMR pupils.
- 471 *THE TEACHING OF READING* (3-4-5)
Prerequisite: Education 304 and 335.
A systematic coverage of the teaching of reading, including methods, techniques, and materials.
- 472 *PROBLEMS IN READING* (3-4-5)
Prerequisites: Education 471 or 337.
An examination of problem areas of effective reading instruction. Emphasis on word attack skills, comprehension skills, including vocabulary building and study skills; additional emphasis on supplementary materials in the reading program.
- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.
- 491 *SEMINAR IN ELEMENTARY EDUCATION* (3-0-3)
Scheduled concurrently with Education 435. Study and discussion of problems emerging from experiences in student teaching; planning school programs; place and responsibility of teacher in school.
- 491s *SEMINAR IN SPECIAL EDUCATION* (3-0-3)
Exploration and clarification of questions important to the teacher of exceptional children; current literature.
- 492 *SEMINAR IN SECONDARY EDUCATION* (3-0-3)
Scheduled concurrently with Education 436. Study and discussion of problems emerging from experiences in student teaching; planning school programs; place and responsibility of teacher in school.
- 495 *SELECTED TOPICS* (Variable)
Seminar and/or directed study on major issues, practices and research in education. May be repeated for credit.
- 562 *DEVELOPMENT OF CURRICULA FOR THE MENTALLY RETARDED* (5-0-5)
Emphasis is on the preparation of appropriate materials for the education of the mentally retarded. Effective usage is considered with curriculum aims and objectives.
- 602 *FOUNDATIONS OF EDUCATION (HISTORICAL, PHILOSOPHICAL, SOCIOLOGICAL)* (5-0-5)
A study of the influence of European education upon American

education; the major philosophies, especially those currently in use; and the effects of sociological patterns upon educational trends.

- 604 *TESTS AND MEASUREMENTS* (5-0-5)
Nature and function of measurement in education. Teacher-made and standardized tests and scales. Introductory statistical concepts of measurement.
- 605 *INSTRUCTIONAL MEDIA* (5-0-5)
Examination of major theories of learning and their relationship to the use of instructional material. Opportunity to examine newer media as well as traditional media utilized in the elementary school. Emphasis on innovative equipment and creative development of instructional materials.
- 614 *ADVANCED EDUCATIONAL PSYCHOLOGY* (5-0-5)
Applications of the scientific findings of psychology to the more complex problems of the educative process.
- 620 *FUNDAMENTALS OF GUIDANCE* (5-0-5)
An introduction to professional training for counselors and an opportunity for teachers to acquire an over-view of guidance functions in the school program.
- 625 *IMPROVEMENT OF INSTRUCTION IN
ELEMENTARY SCHOOL MATHEMATICS* (5-0-5)
Derivation of appropriate methods and techniques from basic principles of learning; development of skills needed in co-operative planning; choosing and organizing teaching materials; using the environment; guidance, evaluation procedures; Prerequisites: Teaching experience or an undergraduate methods course in this subject.
- 635 *PRINCIPLES OF CURRICULUM DEVELOPMENT* (5-0-5)
Principles and practices of curriculum development with the opportunity to participate in curriculum construction.
- 650 *PROBLEMS IN MENTAL RETARDATION
AND CULTURAL DEPRIVATION* (5-0-5)
Current literature and thinking concerning the retarded in a technological age. Implications for society. Life plans for the retarded are discussed. Trends and innovative programs, including studies of the culturally different, are considered.
- 651 *PROBLEMS OF TEACHING* (5-0-5)
Examination of problems and emerging practices in light of recent knowledge of teaching and learning in various aspects of the elementary curriculum. Focus may be on specifically designated area of instruction depending on needs of students. (Course may be taken more than once for credit.)

- 652 *DEVELOPMENT OF LANGUAGE AND COMMUNICATION SKILLS* (5-0-5)
Focus on relationship of language development and thinking to teaching communicative skills. Specific areas covered include techniques for developing oral and aural language facility and functional and creative writing.
- 653 *IMPROVEMENT OF INSTRUCTION IN ELEMENTARY SCHOOL SCIENCE* (5-0-5)
Perequisite: Teaching experience or an undergraduate methods course in this subject.
Derivation of appropriate methods and techniques from basic principles of learning; development of skills needed in cooperative planning; choosing and organizing teaching materials; using the environment; guidance, evaluation procedures.
- 654 *IMPROVEMENT OF INSTRUCTION IN ELEMENTARY SCHOOL SOCIAL STUDIES* (5-0-5)
Perequisite: Teaching experience or an undergraduate methods course in this subject.
Derivation of appropriate methods and techniques from basic principles of learning; development of skills needed in cooperative planning; choosing and organizing teaching materials; using the environment; guidance; evaluation procedures;
- 671 *TEACHING OF READING* (5-0-5)
Study of the various phases of reading in their relation to a modern program of education and the place of reading in the curriculum. Emphasis on current practices of teaching reading with a variety of organizational patterns.
- 672 *DIAGNOSIS AND CORRECTION OF READING PROBLEMS* (5-0-5)
Diagnostic procedures and materials with emphasis on application of remedial techniques with both groups and individuals. Students diagnose and treat reading disability cases under supervision. (Prerequisites: One course in reading and Edu 304-614)
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- 673 *MATERIALS AND METHODS IN READING* (5-0-5)
Critical evaluation of instructional methods and materials in all areas of reading. Emphasis on demonstration and student production and application of materials and methods for effective reading instruction, including the content fields.
- 674 *DEVELOPING AND GUIDING READING PROGRAMS* (5-0-5)
Emphasis on the development and guidance of the total reading program and its various aspects. Focus is directed toward instructional personnel, facilities, equipment, and materials essential for planning and coordinating developmental and

corrective reading programs for multivariate cultural groups and for evaluating the total program.

- 690 *READINGS AND RESEARCH IN EDUCATION OF MENTALLY RETARDED CHILDREN AND YOUTH* (5-0-5)
In-depth reading and reporting on an educational or social facet emphasizing mental retardation. A scrutinization of the literature is stressed.
- 691 *SEMINAR IN ELEMENTARY EDUCATION* (5-0-5)
Study of issues, theories, and emerging practices in elementary education through investigation, research reports, and critical analysis.
- 700 *METHODS OF EDUCATIONAL RESEARCH* (5-0-5)
Research skills and related competencies involved in the planning, conducting, and reporting of applied research studies of the type for the degree of Master of Education.
- 705 *STATISTICAL METHODS IN EDUCATION* (5-0-5)
Descriptive statistics used in education with a brief introduction to probability and inference.
- 721 *BIOLOGICAL AND CULTURAL ASPECTS OF MENTAL RETARDATION* (5-0-5)
Description of biogenetic aspects of mental retardation and cultural aspects. Implications concerning education and adjustment are stressed with the facets of diagnosis and educational modifications.
- 735 *PRACTICUM IN ELEMENTARY EDUCATION* (5-0-5)
Practical experiences with elementary children under supervision. Focus will be determined by needs of individual student. May be repeated for credit.
- 737 *GRADUATE PRACTICUM EXPERIENCES—EMR* (5-0-5)
Planned situations where varying methodologies of teaching or program planning are carried out. May be repeated for credit.
- 771 *ADVANCED READING INSTRUCTION* (5-0-5)
Prerequisites: Edu 471-671 and Edu 304-614
An intensive study of theories of causation of reading problems and teaching reading through analysis of specific learning modalities with application of related techniques and materials.
- 799 *APPLIED PROJECT IN EDUCATION* 5-10 hrs.
Preparation of an independent project under the direction of the major professor.

ENGLISH (ENG)

- 101 *COLLEGE COMPOSITION I* (5-0-5)
Instruction in reading and writing essays. The course emphasizes critical thinking, coherent development of ideas, and clarity of expression.
- 102 *COLLEGE COMPOSITION II* (5-0-5)
Prerequisite: English 101 with grade of "C" or better.
Further instruction in the principles of good writing; introduction to drama, fiction, and poetry; techniques of writing the research paper.
- 111 *FRESHMAN ENGLISH* (5-0-5)
Admission only by invitation of the Department. The course combines the work of English 101-102 and, when successfully completed, carries an additional award of five quarter hours credit.
English 101-102 or 111 is prerequisite for English 301; English 101-102 or 111 and Humanities 221-222-223 are prerequisites for all other 300 and 400 series courses.
- 211 *INTERCOLLEGIATE DEBATE AND FORENSIC ACTIVITIES* (1-2-2)
Introductory course in the principles of argumentation and debate. Students will be expected to participate in intercollegiate competition.
- 301 *TECHNICAL AND BUSINESS WRITING* (5-0-5)
The technique of exposition applied to letters and memoranda and to business and technical reports.
- 305 *THE ART OF THE CINEMA* (5-0-5)
A study of the history and technique of the motion picture, with concentration upon the achievements of selected major directors.
- 309 *HISTORY OF THE ENGLISH LANGUAGE* (5-0-5)
Anglo-Saxon to the Modern Period.
- 313 *ANGLO-SAXON AND MEDIEVAL LITERATURE* (5-0-5)
A study of English and European medieval literature: epic, romance, drama, and the lyric.
- 321 *16th-CENTURY ENGLISH LITERATURE I* (5-0-5)
Non-dramatic literature of the English Renaissance.
- 322 *16th-CENTURY ENGLISH LITERATURE II* (5-0-5)
Drama of the English Renaissance excluding Shakespeare.

- 331 *17th-CENTURY ENGLISH LITERATURE* (5-0-5)
Stuart and Commonwealth writers, including Donne, Herbert, Vaughan, Crashaw, Jonson, Herrick.
- 341 *18th-CENTURY ENGLISH LITERATURE I* (5-0-5)
Restoration and 18th century poetry with emphasis on Dryden and Pope; Swift's satires; selections from Dr. Johnson and Boswell.
- 342 *18th-CENTURY ENGLISH LITERATURE II* (5-0-5)
Restoration and 18th century drama; the English novel from Defoe through Sterne.
- 352 *ROMANTICISM I* (5-0-5)
A survey of the first stage of the Romantic Movement in England: pre-romantic elements; emphasis on the writings of Burns, Blake, Coleridge, Wordsworth, and Scott.
- 353 *ROMANTICISM II* (5-0-5)
A survey of the second stage of the Romantic Movement in England: emphasis on the work of Byron, Shelley, Keats, Peacock, Carlyle, and the Brontë sisters.
- 354 *VICTORIAN POETRY AND BACKGROUNDS* (5-0-5)
A survey of major poets and movements in English poetry from the 1830's to the 1890's: Tennyson, Browning, Arnold, Swinburne, Morris, and D. G. Rossetti; the Pre-Raphaelites, the Aesthetes, and the Decadents.
- 355 *VICTORIAN FICTION* (5-0-5)
Emphasis on the novels of Dickens, Eliot, Thackeray, Trollope, and Hardy. Fictional technique.
- 361 *MODERN BRITISH LITERATURE I* (5-0-5)
The principal authors from 1885 to the present.
- 362 *MODERN BRITISH LITERATURE II* (5-0-5)
English 361 continued.
- 371 *AMERICAN LITERATURE I* (5-0-5)
The major writers before 1860.
- 372 *AMERICAN LITERATURE II* (5-0-5)
The major writers since 1860.
- 375 *MODERN AMERICAN NOVEL* (5-0-5)
A study of several major American novels written since World War I, including works by such novelists as Hemingway, Fitzgerald, Faulkner, West, and Bellow.
- 381 *CHILDREN'S LITERATURE* (5-0-5)
Designed for teachers in the elementary school program. Types of literature for pre-school and elementary-school age groups will be studied.

- 382 *TEACHING HIGH SCHOOL ENGLISH* (5-0-5)
A consideration of the problems involved in teaching language, literature, and composition at the high school level.
- 383 *INTRODUCTION TO LINGUISTICS* (5-0-5)
The fundamentals of descriptive and structural linguistics: phonemes and phonemic transcription; morphology and syntax, and transformational grammar.
- 385 *ADVANCED COMPOSITION* (5-0-5)
Emphasis on stylistic analysis and structural problems. Recommended for students planning a career teaching English at either the secondary or college level.
- 386 *WRITING* (5-0-5)
Study and application of the techniques of prose and drama.
- 391 *LITERARY CRITICISM* (5-0-5)
The major critics from Aristotle to T. S. Eliot.
Emphasis on the development of various 20th-century critical positions.
In general, a student enrolling in any of the following major author courses should have completed one 300 series course in the same historical period.
- 411 *CHAUCE* (5-0-5)
The Canterbury Tales, Troilus and Criseyde, and some minor poems.
- 421 *SHAKESPEARE I* (5-0-5)
The major histories, comedies and tragedies; the Elizabethan theatre.
- 422 *SHAKESPEARE II* (5-0-5)
English 421 continued, but not prerequisite.
- 423 *STUDIES IN SHAKESPEARE* (5-0-5)
An examination of special Shakespearean topics.
- 425 *STUDIES IN 16th-CENTURY LITERATURE* (5-0-5)
An intensive study of selected authors.
- 431 *MILTON* (5-0-5)
The major and minor poems and selected prose.
- 441 *18th-CENTURY TOPICS* (5-0-5)
A study of major authors and special problems.
- 451 *19th-CENTURY TEXTS* (5-0-5)
An intensive study of works by several authors.
- 461 *CONTEMPORARY TEXTS* (5-0-5)
A close textual examination of selected contemporary writers.

- 471 *STUDIES IN AMERICAN LITERATURE* (5-0-5)
 Prerequisite: Permission of Instructor.
 Concentration on specific topics (such as Black Literature), literary movements (The Rise of Realism, The Muckrakers), or representative writers (Melville, Mailer). Variable content.
- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
 A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.
- 495 *SELECTED TOPICS* (5-0-5)
 Prerequisite: Permission of the Instructor.
 Seminar in a particular subject or movement, often conducted on an interdisciplinary basis.
- 499 *UNDERGRADUATE RESEARCH* (Variable Credit)
 Prerequisite: Permission of the Instructor.
 Research into a specific topic under the close direction of the supervising instructor. Emphasis will be placed on the student's learning research techniques.

FRENCH (FR)

- 101 *ELEMENTARY FRENCH I* (5-1-5)
 (A course designed primarily for students without previous experience in the study of French. Students presenting two or more high school units in French are not permitted to take this course for college credit without written permission from the Chairman of the Department of Modern Languages).
 Drill in pronunciation, fundamentals of grammar, simple reading and translations, oral and written exercises, vocabulary building. Students in this course are required to spend a minimum of one hour per week in the language laboratory.
- 102 *ELEMENTARY FRENCH II* (5-1-5)
 Prerequisite: French 101.
 A continuation of French 101.
- 201 *INTERMEDIATE FRENCH I* (5-1-5)
 Prerequisite: French 101-102 or two units of high school French.
 Review of French grammar; reading and translation of various types of French literature. Emphasis on oral expression and aural comprehension.
- 202 *INTERMEDIATE FRENCH II* (5-0-5)
 Prerequisite: French 201 or equivalent.
 A continuation of French 201.

NOTE: The above courses are considered service courses and are not to be included in the 25 hours required for a minor in French. The minor in French will normally consist of FR 211, FR 301, FR 302, and 10 additional hours in courses at the 300-400 level. A grade of C or higher must be earned in each of the courses to be credited toward the minor.

- 211 *CONVERSATIONAL FRENCH* (*)
 Prerequisites: French 201-202 or equivalent.
 A course designed to promote the student's ability to express himself correctly in spoken and written French; emphasis on conversation and composition.
- 301 *SURVEY OF FRENCH LITERATURE I* (5-0-5)
 Prerequisite: French 201-202 or permission of the Instructor.
 A study of representative works of prose, poetry, and drama from the Middle Ages to the French Revolution.
- 302 *SURVEY OF FRENCH LITERATURE II* (5-0-5)
 Prerequisite: French 201-202 or permission of the Instructor.
 A study of representative works of prose, poetry, and drama from the French Revolution to the present time.
- 305 *FRENCH CULTURE AND CIVILIZATION* (5-0-5)
 Prerequisite: French 201-202 or permission of the Instructor.
 A study of French life and culture with emphasis on the contributions of France to world civilization.
- 430 *THE ROMANTIC MOVEMENT IN FRANCE* (5-0-5)
 Prerequisites: French 301-302.
 Precursors of the movement (Rousseau, Prévost, Chateaubriand, Madame de Stael). Foreign influences, manifestoes, and cenacles. Analysis of representative works in the novel, drama, and poetry.
- 434 *THE NOVEL IN FRANCE AFTER 1830* (5-0-5)
 Prerequisites: French 301-302.
 Analysis of representative works by major French novelists. Special attention given to the works of Balzac, Stendhal, Flaubert, the Goncourts, Zola, France, Gide, Proust, Malraux, Mauriac, Sartre, and Camus.
- 441 *FRENCH DRAMA OF THE SEVENTEENTH CENTURY* (5-0-5)
 Prerequisites: French 301-302.
 Development of the classic tragedy. Analysis of the major works of Pierre Corneille, Racine, and Molière.
- 442 *FRENCH DRAMA AFTER 1850* (5-0-5)
 Prerequisites: French 301-302.
 The Social Drama of Dumas fils and Augier. The *Théâtre*

*Denotes five quarter hours credit, however lecture and laboratory hours are not fixed.

Libre of Antoine and Becque. Major dramatists of the twentieth century including representatives of the avant-garde theatre and the cinema.

- 456 *TEACHING ROMANCE LANGUAGES* (3-0-3)
A study of problems, materials, and techniques of teaching foreign languages in secondary school.
- 461 *FRENCH LITERATURE IN THE EIGHTEENTH CENTURY* (5-0-5)
Prerequisites: French 301-302.
The growth of rationalism and *sensibilité*. The *Philosophes* and the *Encyclopédistes*. The tearful comedy and dramatic works of Lesage, Marivaux, Voltaire, and Beaumarchais. The melodrama.
- 471 *FRENCH POETRY* (5-0-5)
Prerequisites: French 301-302.
A survey of French poetry from the *chansons de geste* of the Middle Ages to the present time. Special attention given to types of verse, poetic theories and techniques, and interpretation.
- 481 *ADVANCED CONVERSATION AND COMPOSITION* (*)
Prerequisite: French 211.
Comprehensive review of French grammar and syntax. Vocabulary building. Oral and written reports.
- 491-492-493 *STUDY ABROAD* (15 credit hours)
Prerequisites: FR 211 and junior or senior standing.
The study of French language and culture in a native environment. Designed specifically for students participating in the University System of Georgia Study Abroad Program.
- 495 *SELECTED TOPICS* (Variable)
Prerequisites: Senior standing and permission of the Department Chairman.
A variable-content course, intended to meet the interest of senior students desiring to make an intensive study of some special areas of French language or literature. May be repeated for credit.

GEOGRAPHY (GGY)

- 101 *PHYSICAL GEOGRAPHY* (5-0-5)
A survey of physical geography.
At the level of: Strahler, *Introduction to Physical Geography*.

*Denotes five quarter hours credit, however lecture and laboratory hours are not fixed.

GEOLOGY (GLY)

101 *HISTORICAL GEOLOGY* (3-4-5)

A study of geologic principles applicable to earth history. Includes basic stratigraphy and paleontology, and survey of major geologic periods. This course is not intended to partially satisfy the science-core requirements. It is designed primarily to be taken as an elective by biology and sociology majors.

GERMAN (GER)

101 *ELEMENTARY GERMAN I* (5-1-5)

Fundamentals of grammar, pronunciation, conversation, composition, reading and translation.

102 *ELEMENTARY GERMAN II* (5-1-5)

Prerequisite: German 101.
A continuation of German 101.

201 *INTERMEDIATE GERMAN I* (5-1-5)

Prerequisite: German 101-102 or two units of high school German.
Review of German grammar, reading and translation of various types of German. Emphasis on oral expression and aural comprehension.

202 *INTERMEDIATE GERMAN II* (5-0-5)

Prerequisite: German 201.
A continuation of German 201.

211 *CONVERSATIONAL GERMAN* (5-0-5)

Prerequisite: German 202.
Emphasis on conversation and composition.

491-492-493 *STUDY ABROAD* (15 credit hours)

Prerequisites: GER 211 and junior or senior standing.
The study of German language and culture in a native environment. Designed specifically for students participating in the University System of Georgia Study Abroad Program.

HISTORY (HIS)

All students receiving a baccalaureate from Augusta College are required to present credits in His 211 or 212. Transfer students from without the State may present the equivalent of His 211 or 212 and

in addition, His 479, or pass the exemption examination in Georgia History.

115 *WESTERN CIVILIZATION I* (5-0-5)

An introduction to the institutions and ideas that have played a prominent role in the Western World from pre-history to mid-17th century.

116 *WESTERN CIVILIZATION II* (5-0-5)

A continuation of His 115. From mid-17th century to the present.

211 *AMERICAN HISTORY I: THE UNITED STATES TO 1877* (5-0-5)

A study of the colonial foundations, the American Revolution, the founding of the government of the United States, and the development of nationalism, sectionalism, and democracy through the period of the Civil War and Reconstruction.

212 *AMERICAN HISTORY II: THE UNITED STATES SINCE 1877* (5-0-5)

The United States from the end of Reconstruction to the present time.

311 *HISTORY OF ENGLAND TO 1689* (5-0-5)

Prerequisite: Permission of the Instructor.

The development of England with particular emphasis upon the succession of dynasties after the Norman conquest, and the early origins of constitutional, economic, and social institutions.

312 *HISTORY OF ENGLAND FROM 1689 TO THE PRESENT* (5-0-5)

Prerequisite: Permission of the Instructor.

Constitutional developments, rise of parliamentary supremacy, impact of the Industrial Revolution, and institutional and social reforms in the 19th and 20th centuries.

321 *RENAISSANCE AND REFORMATION, 1350 TO 1648* (5-0-5)

Prerequisite: His. 115.

A study of new aesthetic social and religious attitudes, significant changes in political theory and economical activities, leading to the religious and political upheavals of the 16th and 17th centuries.

325 *AGE OF REASON AND ENLIGHTENMENT, 1648 TO 1789* (5-0-5)

Prerequisites: His 115 and 116, or equivalents.

European institutions and ideas emphasized. Attention given to the emergence of Russia and Prussia as important states,

and the Franco-British struggle for commercial and colonial empires.

331 *FRENCH REVOLUTION AND NAPOLEON* (5-0-5)

Prerequisite: His. 115 and 116, or equivalents.

A study of the great political and social upheavals in France. Emphasis given to the impact of the Revolution and Napoleon upon France.

335 *NINETEENTH CENTURY EUROPE* (5-0-5)

Prerequisite: Permission of the Instructor.

The rise of nationalism, liberalism, and democracy; the industrialization of society, origins and evolution of socialist thought and action; the progress of science; the "new imperialism", and systems of alliances which preceded WWI.

337 *TWENTIETH CENTURY EUROPE* (5-0-5)

Prerequisite: Permission of the Instructor.

A history of Europe from the New Imperialism to the present. The main political, social, economic, intellectual, and international movements will be stressed.

371 *SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES TO 1870* (formerly 451) (5-0-5)

Prerequisite: Permission of the Instructor.

The dominant emphasis given to the development of the changing American ideologies.

372 *SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES SINCE 1870* (formerly 451) (5-0-5)

Prerequisite: Permission of the Instructor.

The changing cultural, intellectual, and ideological sophistication during the past century.

373 *UNITED STATES DIPLOMATIC HISTORY TO 1898* (formerly 453) (5-0-5)

Prerequisite: Permission of the Instructor.

A general introduction to the nation's foreign relations with special attention to principles of foreign policy established in the 19th century.

374 *UNITED STATES DIPLOMATIC HISTORY FROM 1898 TO THE PRESENT* (formerly 454) (5-0-5)

Prerequisite: Permission of the Instructor.

The emergence of the United States as a world power with an intensive study of the forces that have shaped the nation's foreign policy.

381 *COLONIAL LATIN AMERICA* (5-0-5)

Prerequisite: Permission of the Instructor.

The sedentary pre-Columbians, Iberian backgrounds, explorations, conquests, and colonial institutions in Hispanic America

through the wars of Independence.

- 382 *LATIN AMERICA IN THE 19th AND 20th CENTURIES* (5-0-5)

Prerequisite: Permission of the Instructor.

The national histories of the Latin American States with special attention to the ABC Powers, Colombia and Venezuela.

- 391 *EAST ASIA FROM ANTIQUITY TO 1850* (5-0-5)

A survey of Chinese and Japanese Civilizations emphasizing cultural institutions. *Open to upper-classmen.*

- 392 *EAST ASIA FROM 1850 TO THE PRESENT* (5-0-5)

The major domestic and foreign policy changes in China and Japan in reaction to Western encroachment. *Open to upper-classmen.*

- 411 *ECONOMIC HISTORY OF EUROPE, 1500 TO THE PRESENT* (5-0-5)

Prerequisite: Permission of the Instructor.

Economic theories and systems, and their development in the major continental powers including England.

- 417 *RUSSIAN HISTORY TO 1905* (5-0-5)

Prerequisite: Permission of the Instructor.

The development of Russia from the Kievan State through the Russo-Japanese War.

- 418 *RUSSIAN HISTORY FROM 1905 TO THE PRESENT* (5-0-5)

Prerequisite: Permission of the Instructor.

The revolutions of 1905 and 1917. Development of the Soviet state and its foreign policy from 1917 to the present.

- 421 *THE BRITISH EMPIRE AND COMMONWEALTH* (5-0-5)

Britain as an imperial power and the emergence of the Commonwealth. *Open to upper-classmen.*

- 456 *TEACHING SECONDARY SOCIAL STUDIES* (3-0-3)

The course acquaints the student with the objectives of the various disciplines which are concerned with the study of society and deals with their integration and presentation in the secondary school classroom.

- 471 *AMERICAN COLONIAL HISTORY* (formerly 455) (5-0-5)

Prerequisite: Permission of the Instructor.

An intensive study of the colonization of the Atlantic seaboard of North America. Full treatment given to international rivalries, diplomacy, westward expansion, the Revolution, and emergence of the new nation.

- 473 *THE UNITED STATES FROM INDEPENDENCE TO 1850* (formerly 351) (5-0-5)

Prerequisite: His. 211 or equivalent.

The development of American institutions during the Federalist, Jeffersonian, and Jacksonian periods.

- 475 *CIVIL WAR AND RECONSTRUCTION* (formerly 353)
(5-0-5)

Prerequisites: His. 211.

An intensive study of the forces which led to the war for southern independence, and to the military, diplomatic, and political aspects of the war. Re-entry of the South into the life of the nation treated in detail.

- 476 *THE NEW SOUTH, 1877 TO THE PRESENT*
(formerly 356) (5-0-5)

Prerequisite: Permission of the Instructor.

An examination of the economics and social changes in the former Confederate states plus Kentucky and Oklahoma.

- 477 *THE UNITED STATES SINCE 1877* (5-0-5)

Prerequisite: Permission of the Instructor.

From the end of Reconstruction to the present with special emphasis on internal reforms.

- 479 *HISTORY OF GEORGIA* (formerly 361) (5-0-5)

The economic, social, cultural, and political development of Georgia from its founding as a colony to the present. Open to all students above the Freshman level. *A satisfactory grade will exempt a student from the requirement of passing an examination on the History of Georgia.*

- 481 *HISTORY OF MEXICO, FROM ANTIQUITY TO THE PRESENT* (5-0-5)

Pre-Cortesian civilizations, Spanish conquest, colonial institutions, independence, and special emphasis on Mexico since 1917. *Open to upper-classmen.*

- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)

A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.

- 495 *SELECTED TOPICS* (Variable)

Prerequisite: Permission of the Department Chairman.

Designed primarily for graduating seniors who plan to teach and/or pursue graduate study. May be repeated for credit.

- 499 *UNDERGRADUATE RESEARCH* (Variable)

Prerequisite: Permission of the Department Chairman.

For juniors and seniors only. Methods of historical research and various aids, as well as the generally accepted usages in historical composition.

HUMANITIES (HUM)

221-222-223 *HUMANITIES* (15-0-15)

Prerequisites: English 101-102.

The development of the intellectual, literary, and aesthetic traditions of the Western world. The course comprises analysis and discussion of representative works of literature, art, and music from the time of Homer to the present day. Students meet with the Department of English three days per week and with the Department of Fine Arts two days per week.

221 Greece and Rome

222 Middle Ages to the Age of Reason

223 The Modern World

Humanities 221 is prerequisite to Humanities 222, 223.

JOURNALISM (JRL)

101 *INTRODUCTION TO JOURNALISM* (5-0-5)

A survey of mass communication media, emphasizing the press. Special techniques of journalistic composition.

LIBRARY SCIENCE (LIB)

303 *REFERENCE SERVICES* (5-0-5)

Prerequisite: Senior-college standing or consent of Instructor.

A study of reference sources and use of library as an information laboratory.

304 *BOOK SELECTION* (5-0-5)

Prerequisite: Senior-college standing or consent of Instructor.

A study of selection aids, book publishers and standards useful in building library collections.

305 *ADMINISTRATION OF THE SMALL LIBRARY* (5-0-5)

Prerequisite: Senior-college standing or consent of Instructor.

A study of organization and administration of a small library, including housing, equipment, staff, public relations and other aspects of library management.

306 *CATALOGING AND CLASSIFICATION* (5-0-5)

Prerequisite: Senior-college standing or consent of Instructor.

Instruction and practice in the organization of library materials based on the Dewey Decimal Classification.

MATHEMATICS (MAT)

101 *FRESHMAN MATHEMATICS I* (5-0-5)

A study of various numeration methods, introduction to set theory, mathematical systems, symbolic logic and truth tables, and analytic geometry.

Text: Miller and Heeren, *Mathematical Ideas: An Introduction*.

102 *FRESHMAN MATHEMATICS II* (5-0-5)

Prerequisite: Mathematics 101 or equivalent.

Probability, statistics, matrix theory, introduction to computers, and topics from geometry.

Text: Miller and Heeren, *Mathematical Ideas: An Introduction*.

111 *PRECALCULUS MATHEMATICS* (5-0-5)

A study of the number system under the modern approach, theory of equations, permutations, combinations, binomial theorem, sequences including arithmetic and geometric progressions, exponential and logarithmic functions, trigonometric functions with emphasis on the Trigonometric Point.

Text: Munem and Yizze, *Functional Approach To Precalculus*.

121 *FINITE MATHEMATICS I* (5-0-5)

Introduction to functional notation, curve fitting with emphasis on conics as applied to problems of business and economics, introduction to differential calculus.

Text: Bowen, *Mathematics With Applications in Management and Economics*.

122 *FINITE MATHEMATICS II* (5-0-5)

Prerequisite: Mathematics 121 or equivalent.

Factors, matrices and matrix notation, linear equation systems, linear programming, differential and integral calculus, as applied to the problems of business and economics.

Text: Bowen, *Mathematics With Applications in Management and Economics*.

- 201 *CALCULUS AND ANALYTIC GEOMETRY I* (5-0-5)
 Prerequisite: Mathematics 111 or equivalent.
 Elements of plane analytic geometry, including the conic sections; an introduction to calculus with emphasis on the concept of limits, continuity and derivative of a function; differentiation of algebraic functions; application of differentiation.
 Text: Leithold, *The Calculus With Analytic Geometry*.
- 202 *CALCULUS AND ANALYTIC GEOMETRY II* (5-0-5)
 Prerequisite: Mathematics 201.
 The indefinite and definite integrals, areas, volumes, arc lengths, applications of integration to physics; polar coordinates, transcendental functions.
 Text: Leithold, *The Calculus With Analytic Geometry*.
- 203 *CALCULUS AND ANALYTIC GEOMETRY III* (5-0-5)
 Prerequisite: Mathematics 202.
 Hyperbolic functions, formal integration, vectors and parametric equations, determinants and linear equations, solid analytic geometry.
 Text: Leithold, *The Calculus With Analytic Geometry*.
- 204 *CALCULUS AND ANALYTIC GEOMETRY IV* (5-0-5)
 Prerequisite: Mathematics 203.
 Partial differentiation, multiple integrals with applications, infinite series.
 Text: Leithold, *The Calculus With Analytic Geometry*.
- 205 *MATHEMATICS OF FINANCE* (5-0-5)
 Prerequisite: Mathematics 101.
 A foundation in arithmetic and algebraic operations. Includes items on income, fundamental statistical methods, simple and compound interest, bank discount, long term investments.
 (Not to be counted toward a major or minor in mathematics.)
 Text: Shao, *Mathematics for Management and Finance*.
- 221 *ELEMENTARY STATISTICS* (5-0-5)
 Prerequisite: Permission of Instructor.
 A course dealing with elementary theory and applications, with special emphasis on the mathematical development of frequency curves, correlation, sampling, etc. (Not to be counted toward a mathematics major or minor except for prospective elementary school teachers.)
 Text: Huntsberger, *Elements of Statistical Inference*.
- 235 *AN INTRODUCTION TO PROGRAMMING FOR ELECTRONIC DIGITAL COMPUTERS* (4-2-5)
 Prerequisite: Mathematics 101 or permission of Instructor.
 This course is intended as an introduction to modern digital

computing systems and the various programming languages. Basic machine languages, with special emphasis on Fortran, operation of unit record equipment, and programming test procedures including input-output capabilities. Four hours of lecture and one two-hour laboratory period per week.

Text: Anderson, *Computer Programming Fortran IV*.

241 *SYMBOLIC LOGIC AND SET THEORY* (3-0-3)

Prerequisite: Mathematics 201 or permission of Instructor. A study of the logical connectives, the algebra of propositions, quantification, inference and arguments, the algebra of sets, relations and mappings, set-theoretic proofs.

302 *DIFFERENTIAL EQUATIONS* (5-0-5)

Prerequisite: Mathematics 204 or permission of the Instructor.

Ordinary differential equations with applications to mechanics, geometry, and physics; solution of linear differential equations by Laplace Transformation; series solutions; solutions of partial differential equations by separation of variables.

Text: Spiegel, *Applied Differential Equations*.

321 *MODERN ABSTRACT ALGEBRA I* (5-0-5)

Prerequisite: Mathematics 202 or permission of the Instructor.

Construction of number systems. Basic mathematical ideas which determine the structure of elementary algebra. Definitions and fundamental properties of rings, fields, and integral domains.

Text: Whitesitt, *Principles of Modern Algebra*.

322 *MODERN ABSTRACT ALGEBRA II* (5-0-5)

Prerequisite: Mathematics 321.

Further study of rings and fields, study of groups, vector spaces, linear transformations, and polynomials with real coefficients.

Text: Whitesitt, *Principles of Modern Algebra*.

325 *PROBABILITY AND STATISTICS* (5-0-5)

Prerequisite: Mathematics 203.

Permutations and combinations, discrete and continuous probability distributions, moment generating functions, the random variable, expected values, variance and covariance, tests of hypotheses.

Text: Freund, *Mathematical Statistics*.

331 *THEORY OF NUMBERS* (5-0-5)

Prerequisite: Mathematics 321 or permission of Instructor. Elementary properties of integers, divisibility, Euclid's Al-

gorithm. Diophantine equations, prime numbers, congruences, residues.

Text: Long, *Elementary Introduction to Number Theory*.

341 *HISTORY OF MATHEMATICS* (5-0-5)

Prerequisite: Mathematics 202.

A study of the nature and historical origin of Mathematics. Analysis of the concepts of algebra, trigonometry and calculus. Solution of problems pointed toward appreciation of early mathematical developments.

Text: Boyer, *A History of Mathematics*.

381 *LINEAR ALGEBRA I* (5-0-5)

Prerequisite: Mathematics 321-322 and/or permission of the Instructor.

A study of vector spaces with emphasis on finite-dimensional vector spaces, linear transformations, matrices, and linear equations and determinants.

Text: Finkbeiner, *Introduction to Matrices and Linear Transformations*.

382 *LINEAR ALGEBRA II* (5-0-5)

Prerequisite: Mathematics 381.

A study of equivalence relations on matrices, canonical form, conjugate bi-linear forms, inner product and certain related metric concepts, some applications of linear algebra.

Text: Finkbeiner, *Introduction to Matrices and Linear Transformations*.

401 *MATHEMATICAL ANALYSIS I* (5-0-5)

Prerequisite: Mathematics 321-322 and/or permission of the Instructor.

A study of some topology of real numbers, sets, functions, limits, sequences and series of real numbers.

Text: Goldberg, *Methods of Real Analysis*.

402 *MATHEMATICAL ANALYSIS II* (5-0-5)

Prerequisite: Mathematics 401.

A study of continuous and discontinuous functions on metric spaces, connectedness, compactness, completeness, the Riemann integral, differentiation.

Text: Goldberg, *Methods of Real Analysis*.

403 *MATHEMATICAL ANALYSIS III* (5-0-5)

Prerequisite: Mathematics 402.

A study of the elementary functions, further topics in sequence and series including sequences and series of functions, Lebesgue integration.

Text: Goldberg, *Methods of Real Analysis*.

- 425 *FUNDAMENTAL IDEAS OF ARITHMETIC FOR ELEMENTARY TEACHERS* (5-0-5)
 Development of the various number systems, number bases, arithmetic processes, approved methods of introducing arithmetic ideas. (Not to be counted toward a major in Mathematics.)
 Text: Wheeler, *Modern Mathematics: An Elementary Approach*.
- 431 *MODERN GEOMETRY* (5-0-5)
 Prerequisite: Mathematics 321 or permission of the Instructor.
 A modern treatment of geometry primarily from the metric approach but with some reference to the Euclidean synthetic approach. Parallelism, similarity, area, constructions, non-Euclidean and finite geometries.
 Text: Moise, *Elementary Geometry from an Advanced Standpoint*.
- 451 *COMPLEX VARIABLES* (5-0-5)
 Prerequisite: Mathematics 204.
 A study of the field of complex numbers, elementary functions of a complex variable, limits, derivatives, analytic functions, mapping by elementary functions, integrals, power series, residues and poles.
 Text: Churchill, *Complex Variable and Applications*.
- 456 *METHODS OF TEACHING SECONDARY MATHEMATICS* (3-0-3)
 Prerequisite: (1) Education 456 (or concurrently) (2) Mathematics 321 and 431 or permission of the Instructor.
 A study of the materials and instructional procedures basic to the successful teaching of secondary school mathematics. Emphasis on problem solving, discovery teaching, the "new math," audio-visual aids, evaluation, enrichment.
 Text: Johnson and Rising, *Guidelines for Teaching Mathematics*.
- 481 *GENERAL TOPOLOGY* (5-0-5)
 Prerequisite: Mathematics 322 and/or permission of Instructor.
 A systematic survey of the standard topics of general topology with particular emphasis on applications to the space of reals; topological spaces, mappings, compactness, product spaces, nets and convergence.
 Text: Moore, *Elementary General Topology*.
- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
 A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this

seminar will be coordinated with the seminars offered concurrently in other disciplines.

495 *SELECTED TOPICS* (Variable)

Prerequisite: Permission of the Instructor.

Modern concepts in special areas of mathematics.

499 *UNDERGRADUATE RESEARCH* (Variable)

Prerequisite: Permission of Department Chairman (for seniors only).

Individual mathematics research. A minimum of three hours per week for each quarter hour credit.

500 *INTRODUCTION TO QUANTITATIVE TECHNIQUES IN BUSINESS* (5-0-5)

Prerequisite: Mathematics 101 or the equivalent.

The application to business and economics of quantitative techniques selected for their value as background for the more advanced graduate courses, including: sets and set notation, functions, basic differentiation, integration, and matrix algebra.

MUSIC (MUS)

Applied music may be taken for credit or non-credit by any student upon payment of the appropriate fee.

225 *PERCEPTION OF MUSIC* (5-0-5)

A continuation of music, studied in the Humanities 221-222-223 with emphasis on current trends in popular, sacred, and concert music. (For the non-music major.)

MUSIC: Preparatory (Piano) (Voice) (Organ) (Strings) (Orchestral Instruments)

For students desiring no credit or music majors meeting Departmental requirement.

PIANO: (See also Music: Preparatory-P)

101-102-103-P *APPLIED MUSIC* (1-0-1)

Technique: Major and minor scales in similar motion—4 octaves; arpeggios and technical exercises; Solo studies; Bach 2-pt. Inventions or Well-Tempered Clavier; Haydn, Mozart, or Beethoven Sonatas. Compositions from the Romantic and Modern Schools.

201-202-203-P *APPLIED MUSIC* (1-0-1)

Technique: Continuation of first year studies. Solo studies. Bach Well-Tempered Clavier, 3-pt. Inventions. More difficult compositions of Haydn, Mozart and Beethoven. Compositions from Romantic and Modern Schools.

301-302-303-P *APPLIED MUSIC* (1-0-1)

Technique: Major and minor scales in intervals of 3rds and 6ths and 10ths; arpeggios in all intervals. Advanced solo studies. Bach Well-Tempered Clavier, Suites, Partitas. Larger Compositions in all schools.

401-402-403-P *APPLIED MUSIC* (1-0-1)

Technique: Continuation of 3rd year studies. Advanced solo studies. Bach larger fugues or transcriptions. More difficult Compositions from all schools.

ORGAN: (See also Music: Preparatory-0)

101-102-103-O *APPLIED MUSIC* (1-0-1)

Manual and pedal technique; Bach, Orgelbuchlein.

201-202-203-O *APPLIED MUSIC* (1-0-1)

Bach, chorale preludes; later equivalents.

301-302-303-O *APPLIED MUSIC* (1-0-1)

Bach, prelude and fugue or sonata; works by Franck and others.

401-402-403-O *APPLIED MUSIC* (1-0-1)

Bach, large work; representative works by Messiaen and others.

VOICE: (See also Music: Preparatory-V)

101-102-103-V *APPLIED MUSIC* (1-0-1)

Posture. Breath control. Vowels as basis of fundamental tone. Selected vocalises and studies. Simple songs.

201-202-203-V *APPLIED MUSIC* (1-0-1)

More advanced technique for extension of range and flexibility. Advanced vocalises. Classic, Romantic and Modern songs. Diction: the study of French, German and Italian as applied to singing.

301-302-303-V *APPLIED MUSIC* (1-0-1)

Continuation of second year technique emphasizing agility and vocal line. Difficult repertoire both lyric and dramatic to develop expression appropriate to periods.

401-402-403-V *APPLIED MUSIC* (1-0-1)

Review and amplification of work of previous years. Sight reading and ensemble singing preparatory to practical experience in public performance.

ORCHESTRAL INSTRUMENTS: (1-0-1)

Applied music courses comparable to the foregoing ones outlined for Piano, Organ and Voice majors are available for

students majoring in String, Woodwind, Brass and Percussion instruments. Instruction is also available for the non-major.

COMPOSITION: (1-0-1)

Composition may be elected as an applied music with permission of the Instructor.

THEORY:

111-112-113 *ELEMENTARY MUSIC THEORY* (5-0-5)

The study of the rudimentary materials of the theory of music such as scales, intervals, key signatures and terminology, diatonic harmony, sight singing and ear training.

211-212-213 *INTERMEDIATE MUSIC THEORY* (5-0-5)

Prerequisite: Music 113.

Continuation of first year theory with secondary sevenths and chromatically altered chords introduced. Harmonic dictation, keyboard harmony, sight singing, original composition and advanced ear training.

313-314-315 *ADVANCED MUSIC THEORY* (5-0-5)

Prerequisite: Music 213

A study of contemporary harmonic structures and contrapuntal practices with orchestration. Modal harmony, extended triads, non-tertial sonorities, and introduction to serial technique will be utilized in scoring for instrumental and vocal ensembles up to and including the full orchestra.

MUSIC HISTORY AND LITERATURE:

321-322-323 *HISTORY OF MUSIC* (2-0-2)

Prerequisite: Permission of Department Chairman.

First quarter studies the development of music from Greek origins to the end of the Viennese classic period and early works of Beethoven. Second quarter is concerned with Romantic period. Third quarter begins with post Romantic period to present times including expressionism, atonalism, futurism.

414-415 *MUSIC FORM AND ANALYSIS* (2-0-2)

Prerequisite: Music 213.

The aim of this course is to correlate the theoretical studies already pursued and provide a study of the elements of musical composition. Ideally, should be taken with Conducting.

421-422-423 *MASTERWORKS OF MUSIC LITERATURE* (3-0-3)

Prerequisite: Permission of Department Chairman.

Detailed study of selected instrumental and vocal literature

with score study. Designed to follow periods in Music 321-322-323. Ideally, these two courses should be taken together.

- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.

MUSIC EDUCATION:

- 461-462 *MUSIC CONDUCTING* (3-0-3)
Prerequisite: Music 213.
Technique of the baton, interpretation, rehearsal methods and program building. First quarter concerned with instrumental music. Second quarter, choral.
- 351 *KINDERGARTEN AND ELEMENTARY PUBLIC SCHOOL MUSIC* (5-0-5)
A course designed to acquaint the classroom teacher with the fundamentals of music and with methods of teaching classroom music. Rote singing, rhythm bands and materials. Does not fulfill Core requirement in Humanities.
- 352 *MATERIALS AND METHODS OF ELEMENTARY SCHOOL MUSIC* (3-0-3)
A study of materials and methods in the Elementary School Music Program.
- 371 *INSTRUMENTAL TECHNIQUES (BRASS METHODS)* (2-0-2)
Prerequisite: Permission of Department Chairman.
A study of brass instruments conducted as an introduction to the teaching of French Horn, Trumpet, Trombone and Tuba, Baritone and Cornet, and demonstration of the class teaching methods of these instruments.
- 372 *INSTRUMENTAL TECHNIQUES (WOODWIND METHODS)* (2-0-2)
Prerequisite: Permission of Department Chairman.
Same as above but applied to Flute, Oboe, Clarinet, Bassoon and Saxophone.
- 373 *INSTRUMENTAL TECHNIQUES (STRING METHODS)* (2-0-2)
Prerequisite: Permission of Department Chairman.
Same as above but applied to Violin, Viola, Cello and Bass.
- 374 *INSTRUMENTAL TECHNIQUES (PERCUSSION METHODS)* (2-0-2)
Prerequisite: Permission of Department Chairman.
Same as above but applied to Bass Drum, Snare Drum, Cymbals, Tympani, etc.

375 *CHORAL METHODS* (2-0-2)

Prerequisite: Permission of Department Chairman.

A study of choral techniques as applied to public school teaching.

456 *METHODS OF TEACHING SECONDARY MUSIC* (3-0-3)

A study of vocal, instrumental, and general music materials and methods in the Secondary Program.

495 *SELECTED TOPICS* (Variable)

Prerequisite: Permission of Department Chairman.

A study of specific areas in Musicology, Theory, or Music Education with emphasis on individual development and preparation for advanced study.

ENSEMBLE:

Participation by the student in instrumental or vocal groups as directed by faculty advisor.

NURSING (NUR)

101 *NURSING I* (4-6-6)

Corequisite or Prerequisite: Biology III, Psychology 311.

Introduces content that is basic to all areas of technical nursing practice. A patient-centered, problem-solving approach with identification of the scientific principles from the related sciences which undergird nursing knowledge and skills.

102 *NURSING II* (4-12-8)

Prerequisite: Nursing 101

Emphasizes the nursing intervention needed to meet the nursing needs during the maternal and infant cycle. Normal aspects of the maternal and infant cycle are stressed.

103 *NURSING III* (4-12-8)

Prerequisite: Nursing 102

A study utilizing the pathophysiological and psychosocial approach to the nursing care of selected patients with major health problems concerning maintenance of optimal activity and maintenance of optimal body regulatory mechanisms.

201 *NURSING IV* (4-12-8)

Prerequisite: Nursing 103

A study utilizing the pathophysiological approach to the major health problems concerning maintenance of optimal activity, maintenance of optimal sensory perception, and maintenance of optimal body regulatory mechanisms and function.

202 *NURSING IV* (4-12-8)

Prerequisite: Nursing 201.

A study utilizing the pathophysiological and psychosocial approach to the nursing care of selected patients with major health problems concerning maintenance of optimal mental regulatory functioning and maintenance of optimal nutrition, elimination, and fluid and electrolyte balance.

203 *NURSING VI* (4-12-8)

Prerequisite: Nursing 202.

A study utilizing the pathophysiological and psychosocial approach to the nursing care of selected patients with major health problems concerning maintenance of optimal supply of oxygen and/or removal of carbon dioxide, maintenance of transporting material to and from cells, maintenance of optimal sexual satisfaction, and maintenance of protective mechanisms.

204 *NURSING VII* (1-0-1)

Prerequisite: Nursing 202.

Explores the heritage and impact of nursing in society. Specific attention to the nursing organizations, issues, and responsibilities of the technical nurse to the profession and to the community.

PHILOSOPHY (PHY)

101 *INTRODUCTION TO PHILOSOPHY* (5-0-5)

The fundamentals of philosophy. A study of its meaning, function, vocabulary, and the major problems and types of philosophy in experience, history, and representative thinkers.

201 *MODERN LOGIC* (5-0-5)

A study of the principles and problems of critical thinking, especially of deductive reasoning, both sentential and class. Consideration is given to the more frequently used logical formulae; the uses of language, logical emotional and volitional; the making of definitions, and the logical fallacies.

301 *ETHICS* (5-0-5)

Prerequisite: Permission of Instructor or Phy 101.

A study of moral philosophy in its bearing on human conduct and social relations, including an analysis of the nature and criteria of good and evil, right and justice, moral obligation and freedom. Issues of personal and social ethics are discussed in the light of readings in the classical moralists and in contemporary literature.

- 303 *AMERICAN PHILOSOPHY* (5-0-5)
Prerequisite: Permission of Instructor or Phy 101.
An historic introduction to philosophy in America from Benjamin Franklin to John Dewey.
- 411 *CONTEMPORARY PHILOSOPHY* (5-0-5)
Prerequisites: Permission of the Instructor or Phy 101.
Major trends in contemporary western philosophy. Special emphasis given to Existentialism.
- 480 *INTERDISCIPLINARY HONORS COLLOQUIUM* (5-0-5)
An examination of a specific topic or problem from the viewpoints afforded by various disciplines. Enrollment limited to students with at least 90 credits earned and a 3.0 grade point average overall, or with a 3.0 grade point average in their major field and recommendation from chairman of major department.
- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.
- 495 *SELECTED TOPICS* (Variable)
Prerequisites: Permission of the Instructor and approval of the Department Chairman.
Seminar or Directed Study on a major philosopher, school of philosophy, area of philosophical specialization, or various philosophical problems. May be repeated for credit.
- 499 *UNDERGRADUATE RESEARCH* (Variable)
Prerequisites: Permission of the Instructor and approval of the Department Chairman.
Individual philosophical investigation performed by the student on a topic of his choice under the direction of a specific instructor. Emphasis will be placed on the development of adequate research techniques. Upperclassmen only. May be repeated for credit.

PHYSICAL EDUCATION (PED)

- 101-119 *INDIVIDUAL AND DUAL ACTIVITIES* (0-2-1)
Instructions in fundamental skills of those activities which may be played by one or more persons. Examples of these activities are: archery, golf, tennis, and rebound tumbling.
- 121-139 *TEAM GAMES* (0-2-1)
Basic instruction in the fundamentals of those activities where

two or more teams are involved. Examples of team sports are: basketball, soccer, softball, and volleyball.

141-159 *AQUATICS* (0-2-1)

The teaching of basic fundamentals of swimming strokes and water safety which will enable an individual to enjoy water activities. Examples of these are: beginning swimming, aquatic games, senior lifesaving, and water safety instruction.

161-179 *RHYTHMICAL ACTIVITIES* (0-2-1)

The teaching of elementary forms of movement in relation to space with musical accompaniment. Examples are: modern dance and tap dance.

191 *PHYSICAL AND MENTAL HEALTH* (0-2-1)

Dissemination of materials and information concerning the areas of drug abuse, sex education, dental hygiene, smoking, and alcohol.

195 *SPORTS APPRECIATION* (2-0-2)

An appreciation of the major spectator sports in America today with an emphasis on becoming a more knowledgeable spectator through films, lectures, and visiting sports personalities of football, soccer, tennis, and volleyball.

196 *SPORTS APPRECIATION* (2-0-2)

An appreciation of the major spectator sports in America today with an emphasis on becoming a more knowledgeable spectator through films, lectures, and visiting sports personalities of basketball, bowling, gymnastics, and ice hockey.

197 *SPORTS APPRECIATION* (2-0-2)

An appreciation of the major spectator sports in America today with an emphasis on becoming a more knowledgeable spectator through films, lectures, and visiting sports personalities of baseball, golf, track, and swimming.

351 *HEALTH AND PHYSICAL EDUCATION IN ELEMENTARY* (5-0-5)

A course dealing with personal and school health problems and physical education activities suitable for use in the elementary schools.

PHYSICAL SCIENCE (PSC)

101 *PHYSICAL SCIENCE I* (4-2-5)

A survey of physics including mechanics, heat, sound, nuclear

structure, atomic and molecular theory, electricity, magnetism and light. The course is designed for the non-technical student. At the level of: Krauskopf and Beiser: *Fundamentals of Physical Science*.

102 *PHYSICAL SCIENCE II* (4-2-5)

A survey of chemistry, geology, meteorology and astronomy. The course is designed for the non-technical student. At the level of: Krauskopf and Beiser: *Fundamentals of Physical Science*.

PHYSICS (PCS)

201 *GENERAL PHYSICS: MECHANICS* (4-2-5)

Prerequisite: Mathematics 111.

Statics and dynamics of particles and fluids, wave motion, and elasticity. This course is designed for students majoring in biology or for students in the pre-dentistry, pre-medicine, pre-veterinary or nursing program. At the level of: Weber, Manning and White, *College Physics*.

202 *GENERAL PHYSICS: HEAT, LIGHT AND SOUND* (4-2-5)

Prerequisite: Physics 201.

The fundamental laws of heat, light and sound. At the level of: Weber, Manning, and White, *College Physics*.

203 *GENERAL PHYSICS: ELECTRICITY, MAGNETISM AND MODERN PHYSICS* (4-2-5)

Prerequisite: Physics 201.

Fundamental laws of electricity and magnetism. At the level of: Weber, Manning, and White, *College Physics*.

211 *MECHANICS* (4-4-6)

Corerequisite: Mathematics 202 concurrently.

A study of mechanics with an emphasis on problem solving and laboratory performance. This course is designed for students majoring in physics, chemistry, or mathematics or for students in the pre-engineering program. At the level of: Sears and Zemansky, *University Physics*.

212 *ELECTRICITY* (4-4-6)

Prerequisites: Mathematics 203 concurrently and Physics 211. Electricity, magnetism and related phenomena. At the level of: Sears and Zemansky, *University Physics*.

213 *HEAT, SOUND AND LIGHT* (4-4-6)

Prerequisite: Physics 211.

Heat, sound, light and atomic physics. At the level of: Sears and Zemansky, *University Physics*.

- 301 *ELECTRONICS I* (3-4-5)
 Prerequisite: Physics 212.
 Alternating current theory and simple circuit theory. At the level of: Korneff, *Introduction to Electronics*.
- 302 *ELECTRONICS II* (3-4-5)
 Prerequisite: Physics 301.
 Transistor theory, transmitter circuits, theory of oscilloscopes, and pulse counting circuits. At the level of: Korneff, *Introduction to Electronics*.
- 304 *ADVANCED OPTICS* (3-4-5)
 Prerequisite: Physics 213.
 Wave theory, physical optics and thick lenses, lens aberrations and optical instruments. At the level of: Jenkins and White, *Fundamentals of Optics*.
- 310 *NUMERICAL SOLUTIONS TO PHYSICS PROBLEMS* (2-2-3)
 Prerequisite: Physics 211, 212, 213; Mathematics 302 and permission of Instructor.
 Solutions of advanced physics problems on the digital computer using Fortran IV language. Problems such as Fourier Analysis, Fraunhofer diffraction, elliptic integrals, and quantum mechanics will be treated. At the level of: McCracken and Dorn, *Numerical Methods and Fortran Programming*.
- 315 *NUCLEAR RADIATION DETECTION* (3-6-5)
 Prerequisite: Permission of Instructor.
 A study of the various methods of detecting nuclear radiation. At the level of: Price, *Nuclear Radiation Detection*.
- 321 *CLASSICAL MECHANICS I* (3-0-3)
 Prerequisites: Physics 211 and Mathematics 302.
 Vector algebra, vector calculus, operators, and conservative fields. Statics, particle kinematics, and relative velocity. Particle dynamics in one, two, and three dimensions. Simple, damped, and forced harmonic motion. At the level of: Fowles, *Analytical Mechanics*.
- 322 *CLASSICAL MECHANICS II* (3-0-3)
 Prerequisites: Physics 321 and (Mathematics 335 or Physics 310). Moving reference systems, rotational motion, and coriolis force. Universal Law of Gravitation, central force problems, and celestial mechanics. Dynamics of a system of particles. Linear momentum, angular momentum, torque, and impulse. Head-on, oblique, elastic, and inelastic collisions. Center of

mass coordinates and variable mass motion. Centroids, moments of inertia, and rigid body dynamics. At the level of Fowles, *Analytical Mechanics*.

323 *CLASSICAL MECHANICS III* (3-0-3)

Prerequisite: Physics 322.

General motion of a rigid body, principal axes, and Euler's equations. Free rotation, gyroscopic precession, and top motion. Lagrange's equations and applications. Hamilton's canonical equations. Theory of vibrations, coupled oscillators, normal modes, eigenfrequencies, and the wave equation. At the level of: Fowles, *Analytical Mechanics*.

401 *ELECTRICITY AND MAGNETISM I* (3-0-3)

Prerequisites: Physics 212 and Mathematics 302.

Motion of charged particles in electromagnetic fields and the Lorentz equation. Faraday's law, induced electric fields, and the betatron. Electric potentials, electric currents, Ohm's law, and Kirchhoff's laws. Ampere's law, magnetic fields, Maxwell's contribution, and displacement current.

At the level of: Barnes, *Foundations of Electricity and Magnetism*.

402 *ELECTRICITY AND MAGNETISM II* (3-0-3)

Prerequisite: Physics 401.

Coulomb's law of electrostatics and Gauss' law. Equations of Poisson and Laplace. Method of images. Boundary conditions for B, H, E, and D and magnetic media. Amperian currents, electric polarization in dielectrics, energy in electromagnetic fields, and Poynting's vector. Capacitance, pole strength, magnetic dipole, electric dipole, diamagnetism and the invariant flux theorem. Relaxation time, self-inductance, and R-C-L circuits. Resonance, damped, and impressed circuit oscillations.

At the level of: Barnes, *Foundations of Electricity and Magnetism*.

403 *ELECTRICITY AND MAGNETISM III* (3-0-3)

Prerequisites: Physics 402 and (Mathematics 335 or Physics 310).

Alternating current circuit theory, interacting circuits, and mutual inductance. Electromagnetic waves. Reflection from a conductor and a dielectric. Transmission equation, skin effect, wave guides, retarded potentials, and radiation from an oscillating dipole. Relativistic effects in electromagnetic fields.

At the level of: Barnes, *Foundations of Electricity and Magnetism*.

441-445 *THE MODERN PHYSICS SEQUENCE*

Introduction to modern concepts of space, time, particles, and waves. The sequence is required of all physics majors. Modern laboratory techniques are stressed as well as problem solving.

441 *INTRODUCTION TO MODERN PHYSICS* (3-0-3)

Prerequisites: Pcs 211-212-213 or permission of Instructor. Theory of special relativity. Particle aspects of electromagnetic radiation, black body radiation, Bohr theory of the atom and distribution functions.

At the level of: Weidner and Sells, *Elementary Modern Physics*.

442 *WAVE MECHANICS* (3-0-3)

Prerequisites: Pcs 441, Mat 302 or permission of Instructor. Wave aspects of material particles. Interpretation of the wave function. Schroedinger's equation and applications to the infinite and finite wells and harmonic oscillator potential. At the level of: Tipler, *Modern Physics*.

443 *ATOMIC PHYSICS* (3-3-4)

Prerequisite: Pcs 442 or permission of Instructor. Theory of the hydrogen atom, electron spin. Many-electron atoms, atomic coupling. Atomic spectroscopy and laboratory. At the level of: White, *Atomic Spectroscopy*.

444 *SOLID STATE AND MOLECULAR PHYSICS* (3-3-4)

Prerequisite: Pcs 442 or permission of Instructor. Molecular rotation and vibration. The hydrogen molecule. Molecular spectroscopy and laboratory. Crystallinity, lattice dynamics, electrons in metals, semi-conductors, Magnetic and dielectric properties of solids. Superconductivity. Solid state physics laboratory. At the level of: Leighton, *Principles of Modern Physics*, and Blakemore, *Solid State Physics*.

445 *NUCLEAR PHYSICS* (3-0-3)

Prerequisite: Pcs 442 or permission of Instructor. Basic properties of nuclei, nuclear structure. Nuclear scattering and reaction theory. Elementary particles. At the level of: Leighton, *Principles of Modern Physics*.

456 *PHYSICS IN THE SECONDARY SCHOOL* (3-0-3)

Prerequisites: Edu 456 or permission of Instructor. A study of instructional procedures and materials used in the teaching of physics in the secondary school. Emphasis on new curricula, laboratory teaching techniques, and student evaluation.

- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
 A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.
- 495 *SELECTED TOPICS* (Variable)
 Prerequisite: Permission of the Instructor.
 Modern concepts in special areas of physics.
- 499 *UNDERGRADUATE RESEARCH* (Variable)
 Prerequisite: Permission of Department Chairman (For Seniors only).
 Individual physics research. A minimum of three hours work per week for each quarter hour credit. Thesis required.

POLITICAL SCIENCE (POL)

- 101 *AMERICAN GOVERNMENT I* (5-0-5)
 A prerequisite to all other courses in Political Science.
 An introductory course covering the essential facts of federal, state, and local governments in the United States. A satisfactory grade will exempt a student from the requirement of passing an examination on the Constitution of the United States and the Constitution of Georgia before graduation.
- 103 *INTRODUCTION TO CRIMINAL JUSTICE* (5-0-5)
 Survey of the history of law enforcement and criminal rehabilitation. Philosophy of criminal justice in a democratic society. A review of agencies involved in the process of criminal justice and career orientation.
- 201 *AMERICAN GOVERNMENT II* (5-0-5)
 Prerequisite: POL 101 or exemption of POL 101 by Examination.
 Required of all majors and minors.
 An advanced course in American Government with emphasis being placed on the political process. Special attention will be paid to the role of political parties and interest groups in the political system. The concepts of roll call analysis, and electoral behavior will be explored.
- 202 *INTRODUCTION TO POLITICAL METHODOLOGY* (5-0-5)
 Required of all majors and minors.
 A survey of the scope and methods of Political Science, emphasizing the scientific study of political behavior and the terms, concepts, theories, and principles of Political Science.

- 301 *COMPARATIVE EUROPEAN GOVERNMENTS* (5-0-5)
The principles and forms of organization of the governmental systems of Europe.
- 302 *THE GOVERNMENT AND POLITICS OF THE USSR AND THE COMMUNIST BLOC* (5-0-5)
A study emphasizing how the Soviet Union is governed. The dynamics of the Communist State System, the Warsaw Pact Organization, and Communist Eastern Europe.
- 303 *SELECTED PROBLEMS IN CRIMINAL JUSTICE* (5-0-5)
Concentrated study by each student in one or more of the major areas of criminal justice: police arrest techniques, jail conditions, bail reform, problems of prosecution and defense, sentencing innovations, success rates in parole and probation. Emphasis is placed on communication with and observation of agencies of criminal justice in action.
- 310 *ANCIENT AND MEDIEVAL POLITICAL THOUGHT* (5-0-5)
The study of the writings of the most prominent political thinkers and the philosophies that developed as the result of such thoughts.
- 311 *MODERN POLITICAL THOUGHT* (5-0-5)
A study of the writings of the most prominent political thinkers and the philosophies that developed as the result of such thoughts.
- 312 *CONTEMPORARY POLITICAL THOUGHT* (5-0-5)
A survey of Western Political Philosophy since 1900, with particular emphasis on major ideologies such as pragmatism, existentialism, socialism, communism, and fascism.
- 401 *STATE GOVERNMENT* (5-0-5)
Acquaintance in some depth with the forms of organization, the functions, and the operation of State Governments, with particular emphasis on the government and constitution of the State of Georgia. A satisfactory grade exempts the student from the requirement of passing an examination on the Constitution of Georgia.
- 402 *URBAN GOVERNMENT AND POLITICS* (5-0-5)
The origin, development, and growth of local government forms. General problems of county and city government.
- 403 *THE POLITICS AND ADMINISTRATION OF METROPOLITAN AREAS* (5-0-5)
Attention is focused on the social, economic, political, and psychological effects of urbanization; politics of metropolitan integration; principles and problems of governing a metropolitan

community, with due emphasis on the roles of local, county, state, and federal governments; functional problems such as those of crime, transportation, sanitation, water and air pollution, housing, education, and recreation; and the prospects of megalopolis. (especial reference will be made to Augusta and the CSRA).

411 *PRINCIPLES OF PUBLIC ADMINISTRATION* (5-0-5)

General principles, problems and practices of public administration emphasizing governmental processes in the executive branch.

420 *POLITICAL SCIENCE METHODS* (5-0-5)

Prerequisites: Pol 202, Mat 221, or permission of Instructor. A study of the assumptions and statistical methods employed in the analysis of politics including analysis of variance, covariance, correlation, and regression. Emphasis upon comprehension of the assumptions and uses of the methods rather than statistical manipulations. Students will be introduced to computer manipulation of data.

425 *AMERICAN CONSTITUTIONAL LAW* (5-0-5)

Designed to give the student an understanding of the American Constitution and its development and application in American life.

426 *AMERICAN CONSTITUTIONAL LAW* (5-0-5)

A continuation of Pol 425. The case method is used under which the decisions and opinions of the Supreme Court of the United States are studied and analyzed.

431 *GOVERNMENTS OF THE DEVELOPING NATIONS* (5-0-5)

Emphasis on the concepts of political stability, conflict, revolution, and economic development and modernization.

450 *WORLD POLITICS* (5-0-5)

A comprehensive study of the International Political System concentrating on the environmental factors, theories of international relations, the nation state and nationalism, international conflict, international cooperation, transnational institutions, balance of power and collective security, military strategy, the role of diplomacy, the dynamics of national foreign policy, the Cold War and other contemporary problems.

451 *INTERNATIONAL LAW AND ORGANIZATION* (5-0-5)

A survey of the sources and types of international law; the law of peace; the law of conflict; the antecedents of the United Nations; the United Nations family; regional organizations

(NATO, OAS, COMECM, SEATO, CENTO, British Commonwealth) and international integration.

- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.
- 495 *POLITICAL SCIENCE SELECTED TOPICS* (Variable)
Prerequisite: Permission of the Department Chairman.
Designed primarily for graduating seniors who plan to teach and/or pursue graduate study.

PSYCHOLOGY (PSY)

- 101 *PRINCIPLES OF PSYCHOLOGY* (5-0-5)
An introductory survey of the entire field of psychology.
- 250 *QUANTITATIVE METHODS* (5-0-5)
Prerequisite: Psychology 101.
An introduction to the graphic description and quantitative analysis of data in the social and behavioral sciences.
- 311 *DEVELOPMENTAL PSYCHOLOGY I* (5-0-5)
Prerequisite: None (credit in Psychology 341 precludes credit for this course)
A presentation of and analysis of behavioral development and changes occurring during the life span from birth through adolescence.
- 312 *DEVELOPMENTAL PSYCHOLOGY II* (5-0-5)
Prerequisite: Psychology 311 or 341
A presentation of and analysis of behavioral development and changes during the life span from early adulthood through old age.
- 322 *EXPERIMENTAL PSYCHOLOGY I* (formerly 335) (3-4-5)
Prerequisite: Psychology 101, 250.
Introduction to the experimental method in psychology. Lectures and laboratory experiments are designed to assist the student in understanding and using the experimental method.
- 337 *ABNORMAL PSYCHOLOGY* (5-0-5)
Prerequisite: Psychology 101 or 312
The study of various forms of maladaptive behavior and intellectual deficit with focus upon recognition of primary symptoms and proper disposition of cases. The course is especially

relevant to persons in the Associate of Arts programs and to other non-psychology majors.

341 *CHILD PSYCHOLOGY* (formerly 295) (5-0-5)

Prerequisite: Psychology 101 (credit in Psychology 311 precludes credit for this course).

The study of the physical, mental, emotional and social development of the child from conception, through adolescence, to adulthood.

351 *INTERMEDIATE QUANTITATIVE METHODS* (4-2-5)

Prerequisite: Psychology 250.

A study of the statistical methods most widely used in the analysis of psychological data, such as: bi-variate and multi-variate correlation, regression analyses, curve fitting, chi square, introduction to the analysis of variance. Consideration will be given to both parametric and non-parametric methods.

361 *PERCEPTION* (5-0-5)

Prerequisite: Psychology 101

The relations of sensation and perception, stimulus and receptor correlates, phenomenological and configurational theories and the integration of perception with the phenomena of learning and motivation.

371 *APPLIED PSYCHOLOGY* (formerly 202) (5-0-5)

Prerequisite: Psychology 101.

A survey of the application of psychological principles in schools, business, industry, government, military, space programs, clinics and hospitals.

373 *SOCIAL PSYCHOLOGY* (formerly 321) (4-2-5)

Prerequisite: Psychology 101.

A survey of the social aspects of psychology including individual and group dynamics, competition, cooperation, leadership, propaganda, persuasion, and public opinion, as well as a study of how society influences individual perceptions, attitudes, and personality.

405 *HISTORY AND SYSTEMS OF PSYCHOLOGY* (5-0-5)

Prerequisite: Psychology 250.

An integration of the psychology major's four years of study. All important theoretical systems will be considered. Seniors only.

414 *PERSONNEL PSYCHOLOGY* (5-0-5)

Prerequisite: Psychology 101.

A systematic study of scientific personnel procedures including such functions as recruiting, selection, worker evaluation, morale surveys, human relations, training of supervisors and

executive development. The possibility of a complete, scientific personnel program is considered.

415 *PSYCHOLOGICAL TESTS AND MEASUREMENTS* (4-2-5)

Prerequisites: Psychology 101 and 250.

Construction and characteristics of tests and measurement scales; survey of individual and group tests in psychological, educational, and clinical settings.

441 *EXPERIMENTAL PSYCHOLOGY II* (3-4-5)

Prerequisite: Psychology 322.

A supplementary course strongly recommended for psychology majors planning to attend graduate school. Lecture and laboratory experiments in learning, memory, emotion, motivation and thinking.

452 *THEORIES OF PERSONALITY* (5-0-5)

Prerequisite: Psychology 311 or 341.

The biological and psychological foundations of personality will be studied. Emphasis will be placed on the integrated aspects of personality.

455 *MENTAL HYGIENE* (formerly 301) (5-0-5)

Prerequisite: Psychology 101 or 312.

A study of conflicts, fears, anxieties, frustrations and stress occurring in most life situations. Healthy and unhealthy modes of adjustments are considered with the aim of building emotional stability, personality improvement and preventing mental illness.

462 *THEORIES OF LEARNING* (5-0-5)

Prerequisites: Psychology 101, 250 and 322.

Evaluation of current theories in terms of their success in accounting for the observed phenomena of complex learning; the problems of integrating learning theory into a systematic theory of behavior.

465 *CLINICAL PSYCHOLOGY* (5-0-5)

Prerequisite: Psychology 311 or 341; and 423 or 452. Seniors only.

A study of the various kinds of knowledge and skills used by the clinical psychologist. Students will observe the functioning of the different disciplines involved in a mental hospital.

471 *ADVANCED GENERAL PSYCHOLOGY* (5-0-5)

Prerequisite: Psychology 101, 250, and 322.

Permission of the Instructor. Seniors only.

A comprehensive review and integration of the fields of general psychology for the student planning to enter graduate school.

- 480 *PHYSIOLOGICAL PSYCHOLOGY* (3-4-5)
 Prerequisite: Psychology 101 and 15 hours of Psychology.
 An examination of the biological and chemical correlates of learning, memory, sensation, perception, emotion, motivation, thinking, and personality.
- 485 *COMPARATIVE PSYCHOLOGY* (3-4-5)
 Prerequisite: Psychology 480.
 The development of anatomical structures, environmental factors and behavior of species throughout the phyletic scale. Emphasis is on inter-species comparison and the understanding of human behavior in terms of its evolutionary antecedents.
- 490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)
 A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.
- 495 *SELECTED TOPICS* (Variable)
 Prerequisite: 20 hours in Psychology and permission of Department Chairman.
 The intensive study of a selected psychological area such as motivation, perception, or human engineering.
- 499 *UNDERGRADUATE RESEARCH* (formerly 303) (Variable)
 Prerequisites: 20 hours of Psychology and permission of Department Chairman.
 Individual and independent investigation performed by the student on a topic of his choice.

SECRETARIAL SCIENCE (SSC)

- 101 *BEGINNING TYPEWRITING* (2-0-2)
 Techniques of touch typewriting; the use and care of the typewriter. The development of correct typing techniques and the application of this skill to specific problems, such as business forms, letter arrangements and straight copy.
- 102 *INTERMEDIATE TYPEWRITING* (2-0-2)
 Prerequisite: SSC 101 (Beginning Typewriting) or its equivalent.
 Further development of speed and accuracy in typewriting; job production activities, such as composition of letters at the typewriter, business forms, tabulated reports and manuscripts.
- 103 *ADVANCED TYPEWRITING* (2-0-2)
 Prerequisite: SSC 102 (Intermediate Typewriting) or its equivalent.
 Increased development of skill; emphasis on professional type-

writing; duplication, variety of letter forms and the application of each; office and statistical reports; business reports; and legal reports.

325 *SECRETARIAL PRACTICE* (5-0-5)

Prerequisite: SSC 101 (Beginning Typewriting) or its equivalent.

Secretarial efficiency developed through a study of business office procedures; communication problems and techniques; filing and indexing systems; human relation problems; sources and uses of business information; exercising good business judgment in assuming responsibilities and carrying duties to satisfactory conclusion.

331 *BEGINNING SHORTHAND* (3-0-3)

Presentation of the complete theory of Gregg Shorthand; rapid reading of shorthand plates, introduction to dictation techniques; and development of pre-transcription skills.

332 *INTERMEDIATE SHORTHAND* (3-0-3)

Prerequisite: SSC 331 (Beginning Shorthand) or its equivalent.

Intensive training in accurate and rapid writing of shorthand from dictation; sufficient use and handling of dictation materials; further emphasis of pre-transcription skill; introduction of transcription at the typewriter.

333 *ADVANCED SHORTHAND AND TRANSCRIPTION* (3-0-3)

Prerequisite: SSC 332 (Intermediate Shorthand) or its equivalent.

The development of skill in taking new-matter dictation; arrangement of material from shorthand notes in mailable form.

335 *MEDICAL TERMINOLOGY* (5-0-5)

In Medical Terminology, one learns the simplest approach to long complicated medical terms. Emphasis is placed on the breaking down of these words into components which serve as a common denominator to many of the words; the pronunciation, the spelling, and the application of these medical terms to actual medical dictation.

425 *SUPERVISED OFFICE EXPERIENCE* (5-0-5)

Prerequisites: SSC 103 and SSC 333, Advanced Typewriting and Advanced Shorthand.

Orientation to office positions through actual office work; emphasis is placed on office problems; sources of information required by a secretary; office procedures, transcribing machines, and all other responsibilities pertinent to the well organized office.

431 *ADVANCED DICTATION AND TRANSCRIPTION* (5-0-5)

Prerequisite: SSC 333, Advanced Shorthand.

Job competency with the ability to write and transcribe shorthand; emphasis is placed on the development of rapid, accurate and mailable copies; office-style dictation, proofreading; efficient handling of dictation and transcription materials.

435 *BUSINESS MACHINES* (5-0-5)

This course is designed to give a working knowledge of the principal machines used in business; to develop specialized skill on rotary and printing calculators, adding machines, dictating and transcribing machines, and duplicating machines.

SOCIOLOGY (SOC)

101 *INTRODUCTORY SOCIOLOGY* (5-0-5)

Prerequisite for all other sociology courses except Sociology 221.

A study of organized social life in terms of interaction of heredity, physical environment, the group and culture. Emphasis will be placed upon fundamental sociological concepts. *Normally offered each quarter.*

202 *CONTEMPORARY SOCIAL PROBLEMS* (5-0-5)

A study of both specific and general problems of our times. The problems are considered in the social and cultural settings in which they occur. The emphasis is upon people and their behavior. *Normally offered each quarter.*

204 *SOCIETY, LAW, AND THE CRIMINAL* (5-0-5)

An examination of the nature of crime, the consequences of crime for society, and an intensive examination and evaluation of the law as a social device for coping with crime.

221 *COURTSHIP AND MARITAL ADJUSTMENT* (5-0-5)

A functional analysis of dating; courtship; mate selection; engagement; marital adjustment; and family relationships with primary emphasis on the contemporary American family. This course is designed for the non-sociology major who is interested in a utilitarian approach to the study of the family. *Not offered in 1972-73.*

303 *THE FAMILY* (5-0-5)

An institutional analysis of the family as a social subsystem, including premarital behavioral patterns, mate selection, marital interaction, and family disorganization. Special emphasis is placed on theories pertaining to the structure, function, and change of family forms; empirical data from current and past

research projects; and cross-cultural comparisons of selected family systems. *Normally offered each quarter.*

311 **COMPARATIVE COMMUNITIES** (5-0-5)

A study of the ecology and structure of representative communities of American society, specialized types, and areas in transition. *Normally offered fall and spring quarters.*

331 **CRIMINOLOGY** (5-0-5)

The study of criminal behavior and its treatment. The development of criminal behavior in contemporary society and the efforts of the individual to adjust to the demands made upon him. The treatment of the offender by means of probation, imprisonment, and parole. *Normally offered fall and winter quarters.*

322 **POPULATION THEORY** (5-0-5)

Prerequisite: 10 hours of advanced Sociology.

Theory and dynamics of population growth; population measure; migration; composition; differential fertility; theories of the quality and optimum population; economic and social aspects of our population. *Normally offered winter quarter.*

334 **SOCIAL CONTROL** (5-0-5)

Analysis of the mechanics and techniques of social control, both institutive and corrective; various views of the nature and origins of social control; implementation; implications of mass media and mass orientation for society and the individual. *Normally offered winter quarter.*

342 **SOCIAL STRATIFICATION** (5-0-5)

The nature of social systems, including social classes, estates and castes; criteria of status evaluation; social class differentials; mobility and achievement aspirations. *Normally offered spring quarter.*

412 **RACIAL AND ETHNIC MINORITIES** (5-0-5)

Prerequisite: 15 hours of advanced Sociology.

Comparative study of selected racial and ethnic groups in contemporary American society. Exploration of majority-minority interaction, distribution of minorities, and selected pertinent social problems. *Normally offered winter and summer quarter.*

422 **METHODS IN SOCIAL RESEARCH** (5-0-5)

Prerequisite: 15 hours of advanced Sociology.

An introduction to the scientific method in social research; elementary considerations in research design; the interview, questionnaire, participant observation and human document as sources of social data; qualitative and quantitative tech-

niques of analysis and inference, including the development of techniques for measuring social data. *Normally offered winter quarter.*

432 *INDUSTRIAL SOCIOLOGY* (5-0-5)

Prerequisite: Sociology 101.

An application of the theory and methods of sociology to the work environment. *Normally offered fall and spring quarters.*

433 *PERSONALITY AND SOCIAL ADJUSTMENT* (5-0-5)

Prerequisite: 10 hours of advanced sociology.

Foundation and development of personality; mechanisms of integration and adjustment; roles of culture, groups, and language; concepts of self; types and theories of personality; divergent personalities. *Normally offered fall and spring quarters.*

434 *SOCIOLOGICAL THEORY* (5-0-5)

Prerequisite: 15 hours of advanced Sociology.

Historical growth and development of social thought, types and nature of social theories, and the influence of social theory on contemporary sociology. *Normally offered fall quarter.*

490 *SEMINAR IN THIRD WORLD CULTURES* (5-0-5)

A seminar based on the study of the culture of a non-western nation from the point of view of this discipline. Work in this seminar will be coordinated with the seminars offered concurrently in other disciplines.

495 *SELECTED TOPICS* (Variable)

Prerequisite: Senior standing, 20 hours of advanced Sociology and permission of instructor.

A variable-content course, intended to meet the interests of senior students majoring in Sociology. *Normally offered each quarter by arrangement.*

499 *UNDERGRADUATE RESEARCH* (Variable)

Prerequisite: Senior standing, 20 hours of advanced Sociology and permission of instructor.

Independent research on a topic of the student's choice selected in consultation with the instructor. *Normally offered each quarter by arrangement.*

SOCIAL SERVICE ADMINISTRATION (SSA)

111 *INTRODUCTION TO SOCIAL SERVICE* (5-0-5)

An exploration of the historical evolution of social service and present day status. Concentration is on the current perspectives

of the field and career opportunities. Prerequisite for further SSA courses.

222 *SOCIAL SERVICE AS A SOCIAL INSTITUTION* (5-0-5)

The institutional nature of social service and its relationship to other institutions in society. An analysis of society's response to social service needs and problems.

234 *PHILOSOPHY OF SOCIAL SERVICE* (5-0-5)

A study in the generic principles of social service. It includes a study of interviewing skills and techniques. Various philosophical and moral bases for the value system of social service are examined.

346 *METHODS OF SOCIAL SERVICE* (5-0-5)

The problem solving process as used in working with individuals, groups, and communities is emphasized. Field visitation to social agencies will be arranged to supplement classroom lectures.

358 *FIELD PLACEMENT—PHASE I* (5-0-5)

Prerequisite: SW 346

Field experience is the education assignment of students to a social agency for the quarter. Up to sixteen hours a week is spent under supervision of experienced agency workers. A weekly one hour class is held to relate the field learning to classroom content.

495 *SELECTED TOPICS* (5-0-5)

Prerequisite: SW 358.

An advanced study of individual and group phenomena as related to specific phases of social service. It will focus attention upon depth learning from the student experience in field instruction and its broader implications.

SPANISH (SP)

101 *ELEMENTARY SPANISH I* (5-1-5)

(A course designed primarily for students without previous experience in the study of Spanish. Students presenting two or more high school units in Spanish are not permitted to take this course for college credit without written permission from the Chairman of the Department of Modern Languages).

Drill in pronunciation, fundamentals of grammar, simple reading and translations, oral and written exercises, vocabulary building. Students in this course are required to spend a minimum of one hour per week in the language laboratory.

- 102 *ELEMENTARY SPANISH II* (5-1-5)
Prerequisite: Spanish 101 or equivalent.
A continuation of Spanish 101.
- 201 *INTERMEDIATE SPANISH I* (5-1-5)
Prerequisite: Spanish 101-102 or two units of high school Spanish.
Review of Spanish grammar; reading and translation of various types of Spanish literature. Emphasis on oral expression and aural comprehension.
- 202 *INTERMEDIATE SPANISH II* (5-1-5)
Prerequisite: Spanish 201 or equivalent.
A continuation of Spanish 201.
- 211 *CONVERSATIONAL SPANISH* (5-0-5)
Prerequisites: Spanish 201-202 or equivalent.
A course designed to promote the student's ability to express himself correctly in spoken and written Spanish; emphasis on conversation and composition.
- 301 *SURVEY OF SPANISH LITERATURE I* (5-0-5)
Prerequisites: Spanish 201, 202, and 211 or equivalent.
A survey of Spanish literature from the Middle Ages through the Siglo de Oro.
- 302 *SURVEY OF SPANISH LITERATURE II* (5-0-5)
Prerequisites: Spanish 201, 202, and 211, or equivalent.
A survey of Spanish literature from the beginning of the eighteenth century to the present day.
- 305 *SPANISH CULTURE AND CIVILIZATION* (5-0-5)
Prerequisite: Spanish 211 or equivalent.
A study of Spanish life and culture with attention given to history, geography, and customs, and with emphasis on the contributions of Spain to world civilization.
- 330 *SURVEY OF SPANISH-AMERICAN LITERATURE I* (5-0-5)
Prerequisite: Spanish 211 or equivalent.
A survey of the literature of the Spanish-speaking countries of the Americas.
- 331 *SURVEY OF SPANISH-AMERICAN LITERATURE II* (5-0-5)
Prerequisite: Spanish 211 or equivalent.
A continuation of Spanish 330, ending with the leading Spanish-American writers of the present day.
- 419 *THE SPANISH NOVEL OF THE TWENTIETH CENTURY* (5-0-5)
The development of the Spanish novel from the Generation

of 1898 to Cela and recent tremendista novels. Special attention will be given to the novels of Baroja, Unamuno, Azorín, Valle-Inclán, R. Paerz de Ayala, G. Miró, Concha Espina, and Cela, with a discussion of experimentation and the problems of form in the modern novel.

420 *THE SPANISH NOVEL OF THE NINETEENTH CENTURY* (5-0-5)

A study of the Spanish novel from the beginnings of costumbrismo, regionalism, and realism to the end of the nineteenth century, with particular emphasis on the novels of P. A. de Alarcón, Pereda, Valera, Pérez Galdos, Pardo Bazán, Palacio Valdés, and the Valencian novels of Blasco Ináñez.

421 *THE DRAMA OF THE GOLDEN AGE* (5-0-5)

A study of the principal dramatists of the Siglo de Oro and their works with particular emphasis on Lope de Vega, Tirso de Molina, Ruiz de Alarcón, and Calderón, de la Barca.

422 *SPANISH PROSE OF THE GOLDEN AGE* (5-0-5)

A study of the novel and the short story of the *Siglo de Oro*, with particular concentration of the works of Cervantes.

423 *SPANISH DRAMA OF THE NINETEENTH CENTURY* (5-0-5)

The development of the Spanish drama from Moratin's neo-classic comedies to the realistic plays of Galdós and the early Benavente. Special emphasis will be placed on the romantic drama (Rivas, Zorrilla, García Guitierrez and others) and the subsequent search for human realism and the comedy of manners (Bretón, Ventura de Vega, Tamayo y Baus, López de Ayala, and Echegaray).

425 *SPANISH DRAMA OF THE TWENTIETH CENTURY* (5-0-5)

The development of the Spanish drama from Benavente to the present with special emphasis on Benavente, Marquina, Martínez Sierra, the Quinteros, and García Lorca. Other vanguard plays will be discussed in the light of contemporary trends in the theater.

430 *SPANISH-AMERICAN POETRY* (5-0-5)

A study of the contribution of the Spanish-American nations to the development of poetry. Readings from representative poets of several countries.

431 *SPANISH-AMERICAN PROSE* (5-0-5)

A study of the essay and the novel as developed in the Spanish-American nations. Readings from representative authors of the several countries.

- 440 *THE CONTEMPORARY SPANISH-AMERICAN THEATER* (5-0-5)
 A study of the development of the Spanish-American theater of recent times. Readings from representative writers of several countries (Solorzano, Benedetti, Rengifo, Estorino, and others).
- 456 *TEACHING ROMANCE LANGUAGES* (3-0-3)
 A study of problems, materials, and techniques of teaching foreign languages in secondary school.
- 481 *ADVANCED CONVERSATION AND COMPOSITION* (V-V-5)
 Prerequisite: Sp 211 or equivalent.
 Comprehensive review of Spanish grammar and syntax. Vocabulary building. Oral and written reports.
- 491-492-493 *STUDY ABROAD* (15 credit hours)
 Prerequisites: SP 211 and junior or senior standing. The study of Spanish language and culture in a native environment. Designed specifically for students participating in the University System of Georgia Study Abroad Program.

SPEECH (SPC)

- 101 *FUNDAMENTALS OF SPEECH* (5-0-5)
 An introductory course including use of the voice, mental attitudes for good speech, basic diction, control of body and speech composition.
- 201 *PUBLIC SPEAKING* (5-0-5)
 Prerequisite: Speech 101 or Instructor's permission.
 A course planned to give emphasis to the forms of public speaking used in modern society. Special attention given to persuasive, occasional, radio, television, parliamentary speaking and debates.
- 301 *ORAL INTERPRETATION* (5-0-5)
 Prerequisite: Speech 101 or permission of the Instructor.
 A course in the principles of oral interpretation including methods of understanding literature and the techniques of presenting literature to an audience, excerpts from plays, poetry, monologues.

BENEFACTIONS

THE CALLAWAY CHAIR

The Fuller E. Callaway Professorial Chair at Augusta College was one of 40 such chairs at 33 senior colleges and universities in Georgia created in September 1968 by the Callaway Foundation. A \$10 million trust fund was established to aid colleges in retaining superior faculty members. Augusta College chose Philosophy as the field for its first endowed chair.

CULLUM VISITING SCHOLAR PROGRAM

The Cullum Visiting Scholar program was initiated in January 1968 following announcement by The Cullum Foundation of an annual gift to the college to enable it to invite to its campus outstanding men and women who are widely known in their respective fields. The visiting scholars provide lectures, seminars for faculty and students, addresses to the student body and to the public, and conference in their field of expertise. Mrs. Natalie M. Cullum and the Georgia Railroad Bank & Trust Co. are trustees of the Cullum Foundation.

SCHOLARSHIPS

Alice Warren Chapter #483., Order of the Eastern Star Scholarship.

American Association of University Women Scholarship. Sponsored by the Augusta Chapter to a deserving woman student.

American Business Women's Association, Augusta Charter Chapter Scholarship. Sponsored by the Augusta Chapter to a deserving woman student.

American Business Women's Association, The Golf Capital Chapter. This scholarship is given to a needy and deserving student.

American Legion Post 63 Scholarship. Tuition scholarships awarded to deserving nursing students.

Augusta College Faculty Scholarship Fund. This scholarship fund was established by The Augusta College Faculty to reward outstanding academic performance. Selection is based upon the high school academic record and students in the top five percent of their class are encouraged to apply. In addition, junior college graduates are also eligible.

Augusta Exchange Club Scholarship. This four-year scholarship is awarded to deserving students in the Augusta Trade Area.

Augusta-Fort Gordon Chapter, Armed Forces Communications-Electronics Association (AFCEA). Awarded annually to deserving high school graduates who have excelled in mathematics or science.

Augusta Woman's Club. Awarded on scholastic ability and financial need.

John C. Bell, Sr. Memorial Scholarship. This award is given to a needy and worthy student in the memory of John C. Bell, Sr.

Butler High Boosters Club. Awarded to a deserving student from Butler High School.

C. A. Scruggs Memorial Scholarship. This scholarship is awarded to an entering freshman in honor of the late Professor of Chemistry at the Junior College of Augusta.

Cecilia Arthur Memorial Scholarship given by Augusta College Alumni Association. Awarded each year to a senior.

Civitan Club of Augusta Scholarship.

Evans Parent-Teacher Association Scholarship.

Fairways Chapter-National Secretaries Association Scholarship. Awarded to a student majoring in secretarial science or business education.

Fleming Masonic Lodge #718 Scholarship. Awarded to a graduate of Butler High School.

George Walton Masonic Lodge #699 Scholarship.

George Rush Franklin Scholarship Fund of Boys Club of Augusta.

Georgia State Scholarship Commission. Provides scholarships for Georgia residents with financial need and scholastic ability for study in medical and paramedical fields.

Glenn Hills Booster Club. Freshman scholarship awarded to graduating senior from Glenn Hills High School.

Grovetown Lion's Club Scholarship.

Grovetown Woman's Club Scholarship.

Hartley's Uniform Shoppe Scholarship. Awarded to a nursing student in honor of Gerald B. Robins.

St. Joseph's Hospital Auxiliary. Tuition scholarship awarded annually to a deserving nursing student.

Joe Mays Robertson Scholarship Fund. This fund was established by Mr. George Shaw of Melbourne, Florida, in memory of the late Augusta College Professor Joe Mays Robertson. Preference will be given to Mathematics students.

Junior Woman's Club of Augusta. This award is given to a needy and worthy student.

Libby P. Fink Foundation Scholarship. Two-year nursing scholar-

ship awarded on the basis of financial need, scholastic qualifications, and character.

Maxwell Music Scholarships established by Robert J. and Annie V. Maxwell. Awarded to music majors with selection by the music faculty based on musical talent, vocal or instrumental achievement, and academic record.

National Association of Accountants Scholarship. Sponsored by the Augusta Chapter to an outstanding accounting major.

North Augusta Woman's Club Scholarship. Award to a student in good standing who resides in North Augusta, South Carolina.

Officers' Wives' Club of Fort Gordon. Recipients selected by the organization from CSRA high school seniors who are military dependents with high scholastic rating and financial need.

Optimist Club of Augusta Scholarship.

Order of American Hellenic Educational Progressive Association. This award is given to a worthy student of Hellenic descent.

Regents' Scholarships. Awarded to residents of Georgia who need financial assistance and are in the upper one-fourth of their class.

Rho Chapter of the Delta Kappa Gamma Society Scholarship. Awarded to a future teacher.

South Augusta Woman's Club Scholarship.

Stapleton Garment Company Scholarship. This is awarded to a son or daughter of an employee of the Stapleton Garment Company.

Summerville Exchange Club Scholarships.

T. Harry Garrett Scholarship Fund. Scholarship awarded annually to girl graduate of Richmond Academy with preference given to one having attended Tubman Junior High.

Ty Cobb Educational Foundation. Scholarships are available for students who are Georgia residents, single, of at least sophomore standing, and have a 3.0 average or better.

Vocational Rehabilitation Scholarships. For students who are physically handicapped.

Webb's Masonic Lodge #166, General Scholarships.

West Augusta Rotary Club Scholarship.

ALUMNI ASSOCIATION

The Alumni Association serves as a supporting agency of the college in its growth and influence and as a means of continuing an interest in learning and search for knowledge generated among graduates in student years. As such it is an extension of the student body.

The Alumni Association sponsors numerous events for both students and alumni to expand continuously the interest of both in the development of the college.

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The Augusta College Foundation was established in 1963 to further the interests of Augusta College and to provide support for the college in those areas not supported by state or governmental appropriations. The primary aim of the Foundation is to advance the college in its educational program by aiding in its constant reach for the highest standards recognized in the field of learning.

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 B.A., University of Hawaii, M.A., M.Ed., D.A., University of Oregon; Ph.D., University of Oregon.
- MARGARET J. YONCE..... *Assistant Professor of English*
 A.B., Newberry College; M.A., University of Georgia; Ph.D., University of South Carolina.

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 B.S., M.A., Ohio State University; Ed.D., Michigan State University.
- LOIS B. AKINS..... *Fine Arts*
 B.M.E., Georgia College at Milledgeville.
- OTIS F. ASKIN..... *Business Administration*
 LL.B., University of Georgia.
- ROSEMARY D. BARNES..... *Speech*
 B.S., Grambling College; graduate study, Northeast Louisiana University.
- BARNEE C. BAXTER, JR. *Business Administration*
 A.B., Wofford College; LL.B., University of Georgia.
- WILLIAM K. BECKWORTH..... *Engineering Graphics*
 B.E.E., Georgia Institute of Technology.
- VICTOR BILANCHONE, JR. *Humanities*
 B.A., M.M., University of Miami.
- MARCUS M. CLAYTON..... *Philosophy*
 A.B., LL.B., Ph.D., Emory University.
- WALLACE DAY..... *Physics*
 B.S., M.S., University of Alabama.
- GARY G. FORREST..... *Psychology*
 B.A., Westminster College; M.Ed., University of Missouri; Ed.D., University of North Dakota.
- WILLIAM W. GARRETT..... *Sociology*
 B.A., Auburn University; M.S.W., Florida State University.

- WILLIAM GIESLER *Music*
B.M.E., East Tennessee State University.
- WALTER H. HALLORAN *Philosophy*
A.B., M.A., B.Th., St. Louis University.
- VOLA JACOBS *Music*
B.Mus., Eastman School of Music; graduate study, Julliard Graduate School.
- BENJAMIN W. MCCONNELL *Mathematics and Physics*
B.S., East Tennessee State College; M.S., Ph.D.; Virginia Polytechnic Institute.
- HOWARD F. MORIN *Business Administration*
B.A., B.S.I.E., Rutgers University; M.S.I.A., Purdue University.
- LEE NEEL, III *Business Administration*
B.Cer.E., Georgia Institute of Technology; M.B.A., Emory University.
- WAYNE B. NICOLL *Political Science*
B.S., U.S. Military Academy, M.P.A., University of Georgia.
- G. STARR NICHOLS *Mathematics*
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B.A., Augusta College; J. D., Mercer University.
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- WILLIAM W. RILEY *Music*
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- ROBERT E. SANDERS *Education*
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- LOUIS SAUL *Business Administration*
B.B.A., LL.B., University of Georgia.
- DAYTON L. SHERROUSE *Business Administration*
B.A., M.S., Florida State University.
- JOHN R. SPEER *Biology*
B.S., M.S., Northern Illinois University.
- ARTEMISIA D. THEVAOS *Music*
B.M., Wesleyan Conservatory; M.M., Indiana University.

- ERNESTINE H. THOMPSON.....*Anthropology*
 B.A., University of Kentucky; M.Ed., University of Georgia.
- WARREN R. WALLE.....*Mathematics*
 B.S., M.S., Clemson University.

EMERITUS FACULTY

- JOHN EVANS EUBANKS.....*Professor Emeritus of Political Science*
 A.B., A.M., Wofford College; A.M., Columbia University; further
 graduate study, Columbia University, American Academy (Italy).
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 B.S., Murray State Teachers College; M.A., further graduate study,
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- CHESTER MCKINLEY SUTTON.....*Professor Emeritus of English*
 A.B., Guilford College; A.B., Haverford College; M.A., University
 of North Carolina; further graduate study, University of North
 Carolina, Duke University.
- JOSEPH LECONTE TALLEY.....*Professor Emeritus of Physics*
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 study, Columbia University.
- PERCY WISE.....*Professor Emeritus of Romance Languages*
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 Carolina; further graduate study, University of Poitiers (France),
 Duke University, University of Illinois, New York University,
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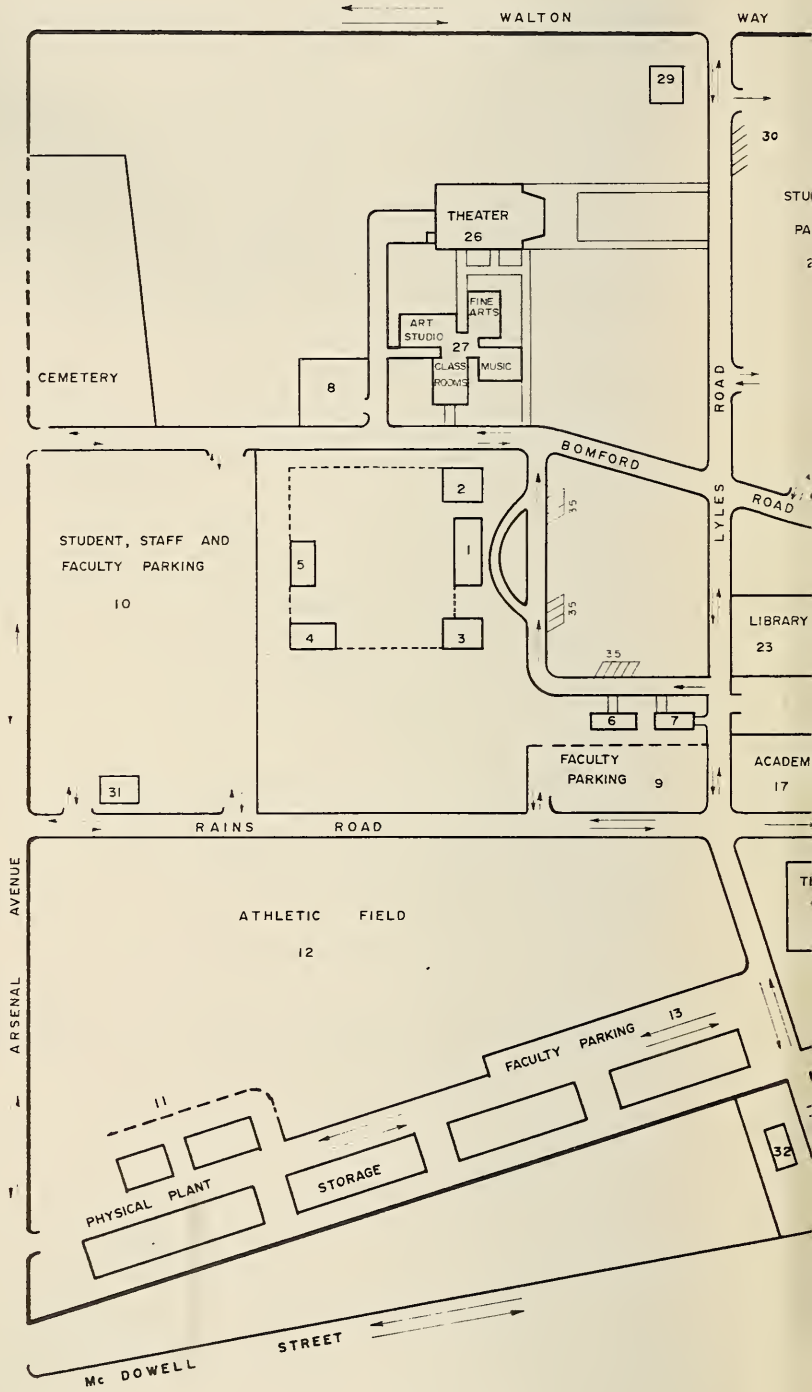
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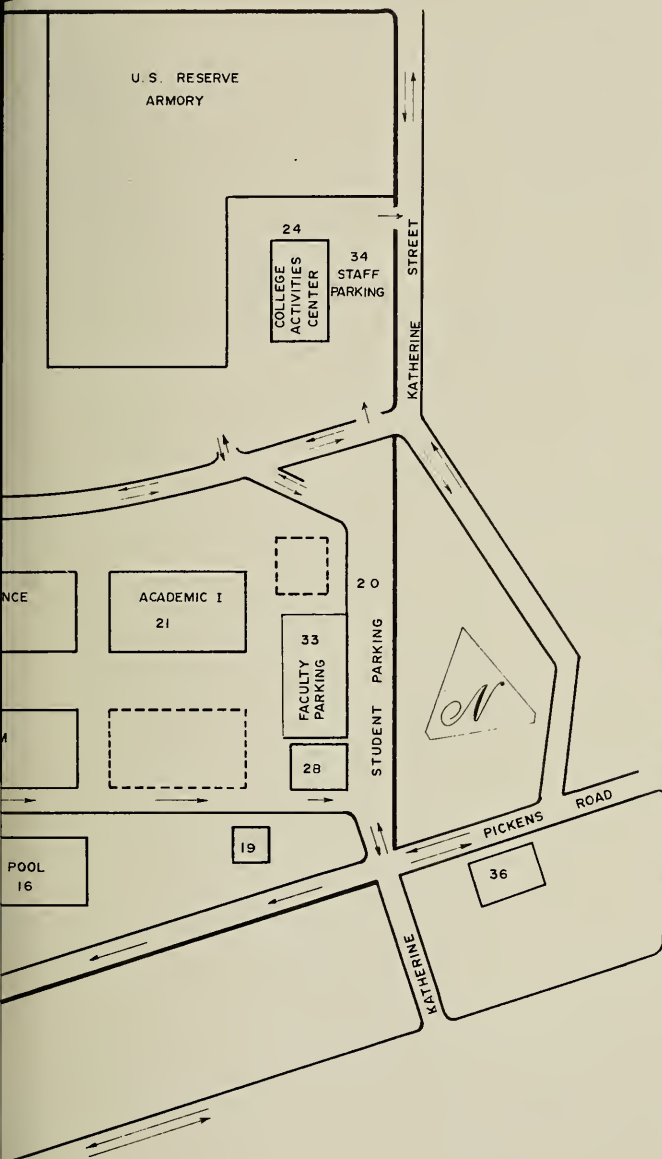
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